

#10

## Sequence Listing

<110> Kumar Verma, Sunil  
Singh, Lalji

<120> UNIVERSAL PRIMERS FOR WILDLIFE IDENTIFICATION

<130> U-013365-9

<140> 09/821782

<141> 2001-03-29

<160> 255

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 398" for amplifying fragment of cytochrome b gene  
of animal species

<400> 1

taccatgagg acaaatatca ttctg

25

<210> 2

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 869" for amplifying fragment of cytochrome b gene  
of animal species

<400> 2

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26

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> primer "AFF" for amplifying fragment of cytochrome b gene of  
animal species

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<210> 4

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> primer "AFR" for amplifying fragment of cytochrome b gene of animal species

<400> 4

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23

<210> 5

<211> 328

<212> DNA

<213> adil.flesh

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<223> DNA sequence generated from the confiscated skin of unknown animal origin using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tccgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagatat	cctgggcctt	ctagtactaa	tcctagcact	catactactc	240
gtcctattct	caccagacct	gttagggagac	cccgataact	acatccctgc	caaccctcta	300
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<210> 6

<211> 328

<212> DNA

<213> bhz25t

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<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 1 using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 7

<211> 328

<212> DNA

<213> bhz26t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 2 using primers mcb398 and mcb869

<400> 7

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
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<210> 8

<211> 328

<212> DNA

<213> bhz30t

<220>

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
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<210> 9

<211> 328

<212> DNA

<213> bhz45t

<220>

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240

gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
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<210> 10

<211> 328

<212> DNA

<213> bhz56t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 5 using primers mcb398 and mcb869

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acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacacccctc cccatatcaa gcgcgaat	328

<210> 11

<211> 328

<212> DNA

<213> bhz63t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 6 using primers mcb398 and mcb869

<400> 11

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ttcatccttc catTTatcat ctcagcccta gcagcagtc acctcctatt cctccatgag	120
acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacacccctc cccatatcaa gcgcgaat	328

<210> 12

<211> 328

<212> DNA

<213> bhz20wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 1 using primers mcb398 and mcb869

<400> 12

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 13

<211> 328

<212> DNA

<213> bhz22wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris* tigris) animal number 2 using primers mcb398 and mcb869

<400> 13

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ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 14

<211> 328

<212> DNA

<213> bhz23wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris* tigris) animal number 3 using primers mcb398 and mcb869

<400> 14

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 15

<211> 328

<212> DNA

<213> bhz28wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris* tigris) animal number 4 using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 16

<211> 328

<212> DNA

<213> gz1L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 1 using primers mcb398 and mcb869

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ttcatccttc	catttatcat	ctcagctcta	gcagcagtc	acctcctatt	ccttcacgag	120
acaggatcta	acaaccctc	aggaatagta	tccgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagatat	cctgggcctt	ctagtactaa	tcctagcact	catactactc	240
gtcctattct	caccagacct	gttaggagac	cccgataact	acatccctgc	caaccctcta	300
aataccctc	cccatatcaa	gcctgaat				328

<210> 17

<211> 328

<212> DNA

<213> gz2L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 2 using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tccttagcact	catactactc	240
gtcctattct	caccagacct	gttgggagac	cccgataact	acatccccgc	caaccctcta	300
aataccctc	cccatatcaa	gcctgaat				328

<210> 18

<211> 328

<212> DNA

<213> gz3L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 3 using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcttagcact	catactactc	240
gtcctattct	caccagacct	gttgggagac	cccgataact	acatccccgc	caaccctcta	300
aataccctc	cccatatcaa	gcctgaat				328

<210> 19

<211> 328

<212> DNA

<213> gz21CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 1 using primers mcb398 and mcb869

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ttcatcctcc	catttatcat	ctcagcctta	gcagcagttc	accttctatt	tctccatgaa	120
acaggatcca	ataaccctc	aggaatggta	tccgattcag	acaaaatccc	gttccaccgc	180
tactatacaa	tcaaagatat	cctaggcctc	ctagttctaa	ttctagcgct	cacactactt	240
gttctattct	cccagacct	actaggagac	cctgacaatt	acactcccgc	caaccctcta	300
aataccctc	cccatatcaa	gcctgaat				328

<210> 20

<211> 328

<212> DNA

<213> gz22CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 2 using primers mcb398 and mcb869

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acaggatcca	ataaccctc	aggaatggta	tccgattcag	acaaaatccc	gttccaccgc	180
tactatacaa	tcaaagatat	cctaggcctc	ctagttctaa	ttctagcgct	cacactactt	240
gttctattct	cccagacct	actaggagac	cctgacaatt	acactcccgc	caaccctcta	300
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<211> 328

<212> DNA

<213> darz14SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 1 using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	gccgataact	acatccccgc	caaccctcta	300
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<210> 22

<211> 328

<212> DNA

<213> darz15SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 2 using primers mcb398 and mcb869

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ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	gccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcccgaat				328

<210> 23

<211> 328

<212> DNA

<213> darz16SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 3 using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	gccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcccgaat				328

<210> 24

<211> 328

<212> DNA

<213> sbz22AL



<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 1 using primers mcb398 and mcb869

<400> 24

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattctt	tgcttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctgtt	cctccatgaa	120
acaggatcta	ataaccctc	aggaatggta	tctgactcag	ataaaattcc	attccatcca	180
tactatacaa	tcaaagatat	cctaggcctt	ctagtactaa	tcttaacact	catactactc	240
gtcctattct	caccagacct	attaggagat	cccagacaact	atacccccg	caatcctcta	300
agcaccctc	cccatatcaa	acctgaat				328

<210> 25

<211> 328

<212> DNA

<213> sbz38AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 2 using primers mcb398 and mcb869

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tactatacaa	tcaaagatat	cctaggcctt	ctagtactaa	tcttaacact	catactactc	240
gtcctattct	caccagacct	attaggagat	cccagacaact	atacccccg	caatcctcta	300
agcaccctc	cccatatcaa	acctgaat				328

<210> 26

<211> 328

<212> DNA

<213> sbz39AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 3 using primers mcb398 and mcb869

<400> 26

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acaggatcta	ataaccctc	aggaatggta	tctgactcag	ataaaattcc	attccatcca	180
tactatacaa	tcaaagatat	cctaggcctt	ctagtactaa	tcttaacact	catactactc	240
gtcctattct	caccagacct	attaggagat	cccagacaact	atacccccg	caatcctcta	300
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<210> 27

<211> 328

<212> DNA

<213> humsk

<220>

<223> DNA sequence generated from the known human (Homo sapiens sapiens) using primers mcb398 and mcb869

<400> 27

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ttcatcttgc	ccttcattat	tgcagcccta	gcagcactcc	acctcctatt	cttgcacgaa	120
acgggatcaa	acaacccccct	aggaatcacc	tcccattccg	ataaaatcat	cttccaccct	180
tactacacaa	tcaaagacgc	cctcggctta	cttctcttcc	ttctctcctt	aatgacatta	240
acactattct	caccagacct	cctaggcgac	ccagacaatt	ataccctagc	caaccctta	300
aacacccccctc	cccacatcaa	gcccgaat				328

<210> 28

<211> 328

<212> DNA

<213> chimss

<220>

<223> DNA sequence generated from the known chimpanzee (pan troglodytes) animal using primers mcb398 and mcb869

<400> 28

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acaggatcaa	ataacccccct	gggaatcacc	tcccactccg	acaaaattac	cttccacccc	180
tactacacaa	tcaaagatat	ccttggctta	ttccttttcc	tccttatcct	aatgacatta	240
acactattct	caccagacct	cctgggcgat	ccagacaact	ataccctagc	taacccccta	300
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<210> 29

<211> 472

<212> DNA

<213> Cervus nippon centralis

<400> 29

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caaccctaac	ccgatttttc	gctttccact	ttattcttcc	atztatcatc	gcagcacttg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actacaccat	taaagatatc	ttaggcattc	300
tacttctagt	actcttccta	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	taccccagca	aatccactca	acacaccccc	tcacatcaaa	cctgaatgat	420
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<210> 30

<211> 472

<212> DNA

<213> Cervus nippon yesoensis

<400> 30

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caaccctaac	cggatttttc	gctttccact	ttattcttcc	atttatcatc	gcagcacttg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actacaccat	taaagatatc	ttaggcatct	300
tacttctagt	actcttccta	atattactag	tattattcgc	accagacctg	cttgagatc	360
cagacaacta	taccccagca	aatccactca	acacaccccc	tcacatcaaa	cctgaatgat	420
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<210> 31

<211> 472

<212> DNA

<213> Cervus nippon keramae

<400> 31

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caaccctaac	cggatttttc	gccttccact	ttattcttcc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actataccat	taaagatatc	ctaggcatct	300
tacttctagt	actcttcctg	atattactag	tattattcgc	accagacctg	cttgagatc	360
cagacaacta	caccccagca	aatccgctca	acacaccccc	tcacatcaaa	cctgaatgat	420
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<210> 32

<211> 472

<212> DNA

<213> Cervus nippon pulchellus

<400> 32

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caaccctaac	cggatttttc	gccttccact	ttattcttcc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actataccat	taaagatatc	ctaggcatct	300
tacttctagt	actcttcctg	atattactag	tattattcgc	accagacctg	cttgagatc	360
cagacaacta	caccccagca	aatccgctca	acacaccccc	tcacatcaaa	cctgaatgat	420
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<210> 33

<211> 472

<212> DNA

<213> Cervus nippon nippon

<400> 33

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caaccctaac	cggatttttc	gccttccact	ttattcttcc	atztatcatc	acagcactcg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actataccat	taaagatatc	ctaggcatct	300
tacttctagt	actcttccctg	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	caccccagca	aatccgctca	acacaccccc	tcacatcaaa	cctgaatgat	420
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<210> 34

<211> 472

<212> DNA

<213> Cervus elaphus scoticus

<400> 34

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caaccctaac	cggatttttc	gctttccact	ttattctccc	atztatcatc	gcagcactcg	180
ctatagtaca	cttactcttc	cttcacgaaa	caggatctaa	taacccaaca	ggaattccat	240
cagacgcaga	caaaatcccc	tttcacccct	attataccat	taaagatatc	ttaggcatct	300
tacttcttgt	actcttctta	atattactag	tattattcgc	accagaccta	cttggagatc	360
cagataacta	caccccagca	aacccactca	acacaccccc	tcataattaaa	cctgaatgat	420
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<210> 35

<211> 472

<212> DNA

<213> Cervus dama

<400> 35

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caaccctaac	tcgattcttc	gctttccact	ttattctacc	attcatcatt	gcggcacttg	180
ctatagtaca	tttactcttt	cttcacgaga	caggatccaa	taacccaaca	ggaatcccat	240
cagatgtaga	taaaattccc	tttcacccct	actacaccat	taaagatatt	ttaggcatcc	300
tattcctatt	tctcttctta	ataacactag	tactatttgc	accagacttg	cttggagacc	360
cagacaaata	caactccagca	aatccactca	acacacctcc	tcataattaaa	cccgaatgat	420
acttcctatt	tgcatacgca	atcctacgat	caattcccaa	taaattagga	gg	472

<210> 36

<211> 472

<212> DNA

<213> Rangifer tarandus

<400> 36

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caaccctaac	cggatttttt	gcttttccact	ttattcttcc	atztattatc	gcagcactcg	180
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cagactcaga	taaaattcca	ttccatccct	attatactat	caaagacatt	ctaggcatcc	300
tactcctaatt	tctcttccct	atactactag	tattatttgc	accagactta	ctaggagacc	360
cagacaacta	taccccagca	aacccactca	acactccccc	tcataattaaa	cctgaatgat	420
actttctatt	cgcatacgca	atcctacgat	caattccaaa	taaactagga	gg	472

<210> 37

<211> 472

<212> DNA

<213> *Moschus fuscus*

<400> 37

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caacactcac	tcgattcttt	gcctttcact	tcattctccc	atttatcatc	gcagcactcg	180
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cggacaatta	taccccagca	aaccatttaa	atacgcccc	acatatataa	cccgaatgat	420
atttcctatt	tgcatatgcc	attctacgat	caattcccaa	caaactagga	gg	472

<210> 38

<211> 472

<212> DNA

<213> *Moschus leucogaster*

<400> 38

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caacactcac	ccgattcttt	gccttccact	tcattctccc	atttatcatc	gcagcactcg	180
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cagatataga	caaaatccca	ttccaccctt	actacaccat	caaagacatt	ctaggtgtcc	300
tattactaat	cttagtctta	ataacactag	tactattcac	acctgattta	cttggagacc	360
cggacaatta	taccccagca	aaccatttaa	atacaccccc	acatatataa	cccgaatgat	420
atttcctatt	tgcatatgcc	attctacgat	caattcccaa	caaactagga	gg	472

<210> 39

<211> 472

<212> DNA

<213> *Moschus chrysogaster*

<400> 39

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caacactcac	tcgattcttt	gccttccact	tcattctccc	atttatcatc	gcagcactcg	180
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cagacataga	caaaatccca	ttccaccctt	actacaccat	caaagacatt	ctaggtgtcc	300
tattactaat	cctagtctta	ataacactag	tactattcac	acctgattta	cttggagacc	360
cggacaatta	tacccgggca	aaccatttaa	atacgcccc	acatatataa	cccgaatgat	420
acttcctatt	tgcatatgcc	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 40

<211> 472

<212> DNA

<213> *Moschus berezovskii*

<400> 40

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caacactcac	ccgattcttt	gccttccact	tcctcctccc	atttatcatc	gcagcactcg	180
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cagacataga	caaaatccca	ttccaccctt	actacactat	caaagacatt	ctaggtgtcc	300
taatactaata	cttagtctta	atagtactag	tactattcac	acccgattta	cttggagacc	360
cggacaatta	taccccagca	aaccatttaa	acacaccacc	acatattaaa	cccgaatgat	420
acttcctatt	tgcatatgcc	attctacgat	caattcccaa	caaactagga	gg	472

<210> 41

<211> 472

<212> DNA

<213> Moschus moschiferus

<400> 41

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caacactcac	ccgattcttt	gccttccact	ttatcctccc	atttatcatt	gcagcactcg	180
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cagacataga	caaaatccca	tttcaccctt	actacaccat	caaagatatt	ctaggtatcc	300
tattactaat	cttaactctta	atagcactag	tgctatttac	acccgacctt	cttggagatc	360
cggacaacta	tactccagca	aaccatttaa	atacacctcc	acatattaaa	cccgaatggt	420
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<210> 42

<211> 472

<212> DNA

<213> Kobus ellipsiprymnus

<400> 42

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caacccttac	ccgcttcttc	gccttccact	ttattctccc	atttatcatc	gcggctatta	180
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tactactaat	cctagtccca	atactcctag	ttctattcgc	ccccgacctt	cttggagatc	360
ctgacaacta	tgccccagca	aaccacttta	acacgcccct	cacaattaaa	cctgaatgat	420
actttctatt	cgcatatgca	attctacgat	caatccccaa	caaactagga	gg	472

<210> 43

<211> 472

<212> DNA

<213> Kobus megaceros

<400> 43

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caacccttac	ccgcttcttc	gccttccact	ttatcctccc	atttatcatc	gcagctatcg	180
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tcctattaat	cctaatacta	atactcctag	tactatttgc	ccccgaccta	cttgagagacc	360
ctgacaatta	taccccagca	aaccacctta	atacacctcc	ccatattaaa	cccgaatgat	420
atttccttatt	cgcatacgca	attttacggt	caattcctaa	taaactggga	gg	472

<210> 44

<211> 472

<212> DNA

<213> Redunca arundinum

<400> 44

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caacccttac	cggattcttc	gccttccact	ttatcctccc	attcattatc	acagccctcg	180
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ccgacaatta	tactccagca	aatccactca	acacaccccc	tcatattaaa	cccgaatgat	420
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<210> 45

<211> 472

<212> DNA

<213> Redunca fulvorufula

<220>

<221> n

<222> 269

<223> unknown base

<400> 45

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cggacaatta	caccccagca	aaccactca	acacaccccc	tcacatcaaa	ccagaatggt	420
acttcttatt	ngcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 46

<211> 472

<212> DNA

<213> Neotragus moschatus

<400> 46

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caaccctcac	cggatttttt	gccttccact	tcattctccc	atztatcatc	gcagcactcg	180
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cagacaacta	cacccccgca	aaccctctta	acacgcctcc	ccatatcaaa	cccgaatgat	420
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<210> 47

<211> 472

<212> DNA

<213> *Pelea capreolus*

<400> 47

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ctgacaatta	caccctcgca	aaccgcgtca	acacaccccc	tcatatcaaa	cccgaatgat	420
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<210> 48

<211> 472

<212> DNA

<213> *Antilope cervicapra*

<400> 48

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caacccttac	cggatttttt	gccttccact	ttatctctccc	atztatcatt	gcagccctta	180
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cagacaacta	tacaccagca	aaccacctta	atacaccccc	acatatcaag	cccgaatgat	420
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<210> 49

<211> 472

<212> DNA

<213> *Saiga tatarica*

<400> 49

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cagacaacta	cacrcacgca	aaccacctta	acacaccccc	acatatcaaa	cccgaatgat	420
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<210> 50

<211> 472

<212> DNA

<213> *Gazella dama*

<400> 50

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ccatagttca	tctattattt	cttcacgaaa	caggatccaa	caaccccaca	ggaatttcat	240
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cagacaacta	cacaccagca	aatccactca	atacaccctc	acatattaag	cctgagcgat	420
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<210> 51

<211> 472

<212> DNA

<213> *Ourebia ourebi*

<400> 51

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cagacaacta	tacaccagca	aaccactcaa	atacaccctc	acatattaaa	cctgagtggg	420
atttcttatt	cgcatacgca	attctccgat	cgatttccaa	caaactagga	gg	472

<210> 52

<211> 472

<212> DNA

<213> *Gazella gazella*

<400> 52

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caacactcac	ccgatttcttt	gcttttccact	ttatcttccc	attcatcatt	gcagccctcg	180
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cagacaacta	tacaccagca	aatccactca	acacaccctc	acacatcaaa	cctgaatggg	420
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<210> 53

<211> 472

<212> DNA

<213> *Raphicerus melanotis*

<400> 53

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caaccctcac	cgcattcttc	gcttttctac	tcagttctcc	atttatcatc	gcagccctag	180
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cagatataga	caaaatccca	tttcacccct	actacaccat	taaagacatt	ttaggagccc	300
tcctattaat	cctaaccctt	atgcttctag	ttctatttgc	accagaccta	ctcggagacc	360
cagacaacta	tacaccagca	aaccctactca	acacaccccc	acatatcaaa	cccgaatggt	420
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<210> 54

<211> 472

<212> DNA

<213> *Madoqua kirkii*

<400> 54

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tactactaat	tataggcctc	atactcctag	ttctatttctc	accagacctg	ctcggagacc	360
cagacaacta	cacaccagca	aatcccttta	acacgcccc	acacattaaa	cctgaatgat	420
atttcctatt	cgcataatgca	atcctccgat	caatccctaa	caaactaggg	gg	472

<210> 55

<211> 472

<212> DNA

<213> *Antilocapra americana*

<400> 55

taccatgagg	acaaatatca	ttctgagggg	caacagtcac	tactaaccta	ctctcagcaa	60
tcccatatcat	tgggtactaac	ctagtagaat	gaatctgagg	gggattctca	gtagacaaaag	120
caaccctcac	cgcattcttc	gcattccact	ttatctctcc	attcatcatt	gcagcactag	180
ccatagtaca	cttactattc	ctccacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
cagacgcaga	caaaatccca	ttccacccat	actacaccat	caaagacatt	ctaggagcac	300
tactaataat	cttagcccta	ataatactag	tactatttctc	accagacctg	ttaggagacc	360
ccgacaacta	cacaccagct	aaccctactca	acactccccc	acacattaag	ccagaatgat	420
atttcctatt	cgcataatgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 56

<211> 472

<212> DNA

<213> *Tragulus javanicus*

<400> 56

taccctgagg	acagatatct	ttctgaggag	ccacagtcac	caccaacctc	ttatcagcta	60
tcccatatcat	tggcacagac	ttgggtcgaat	gaatctgagg	tgggttttca	gtagacaaaag	120
caacccttac	acgattcttt	gccttccact	ttatctctcc	atttatcatt	acagccctag	180

tectagtcca	ccttttattt	ctccacgaaa	caggatctaa	taaccccaca	ggaatcccct	240
cagacgcaga	caaaatcccc	ttccacccat	actacactat	taaagacatt	ctagggggttc	300
tagccctatt	tctagcccta	atactactag	tcctattctc	acccgaccta	cttggagacc	360
cagataacta	cacccccgcc	aaccccccta	acacaccacc	ccatatcaaa	cccgaatgat	420
atttcttatt	tgcatacgca	attcttcggt	caatccccaa	taaactagga	gg	472

<210> 57

<211> 472

<212> DNA

<213> *Tragulus napu*

<400> 57

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tcccctatat	cggcaccgaa	ctagttgaat	gaatctgagg	cgggttctca	gtagacaaaag	120
caacccttac	acgatttttt	gccttccact	tcctcctccc	atttgtcatt	acagccctag	180
ccctagtcca	tcttttattt	ctccacgaga	caggatcaaa	taaccccaca	ggaatcccct	240
cagacgcaga	caagatcccc	ttccacccat	actacaccat	caaagatgtc	ctaggggctc	300
tagtctaata	actagtcctt	ctattactag	tcctattttc	accggacttg	ttgggagacc	360
ccgacaatta	cactccggca	aaccccccta	acacaccacc	tcataattaag	ccagagtggg	420
atttcttatt	cgcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 58

<211> 472

<212> DNA

<213> *Balaenoptera acutorostrata*

<400> 58

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tcccatatat	tgggtactacc	ttagttgaat	gaatctgagg	tggcttctct	gtagacaaaag	120
caacattaac	acgctttttt	gccttccact	tcctcctccc	ttttattatc	ctagcattag	180
caattgtcca	cctcattttt	ctccacgaaa	caggatccaa	taaccccaca	ggtatcccat	240
ctgacataga	caaaatccca	ttccacccct	actacacaat	caaagacatt	ctagggcgccc	300
tactactaat	tctaacccta	ctagcactaa	ccctatttcgc	accggacctg	cttggagacc	360
ccgacaacta	taccccagca	aacccactca	gtaccccagc	acacattaaa	ccagaatgat	420
acttcttatt	cgcatacgca	atcctacgat	caatccctaa	taaactaggc	gg	472

<210> 59

<211> 472

<212> DNA

<213> *Balaenoptera bonaerensis*

<400> 59

taccctgagg	acaaatatca	ttttgaggcg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccatatat	tgggtaccacc	ttagttgaat	gaatctgagg	tggcttctct	gtagacaaaag	120
caacattaac	acgctttttt	gccttccact	tcctcctccc	tttcattatc	ctagcattag	180
caattgtcca	cctcattttt	ctccgcgaaa	caggatccaa	taaccccaca	ggtattccat	240
ctgatataga	caaaatccca	ttccacccct	attacacaat	caaagacatt	ctagggcgccc	300
tactactaat	tctaacccta	ctaactactaa	ccctatttcgc	acccgacctg	ctcggagacc	360
ccgacaacta	caccccagca	aacccactca	gtaccccagc	acacattaaa	ccagaatgat	420
attttctatt	cgcatacgca	atcctacgat	caatccccaa	taaactaggc	gg	472

<210> 60

<211> 472

<212> DNA

<213> Balaenoptera borealis

<400> 60

taccctgagg	acaaatatca	ttttgaggcg	caaccgtcac	caccaacctc	ttatcagcaa	60
tcccatacat	tggtactacc	ctagtcgaat	ggatctgagg	cggttttctc	gtagataaag	120
caacactaac	acgctttttt	gccttccact	tcattctccc	cttcattatt	ctagcactag	180
caatgggtcca	cctcattttc	ctccatgaaa	caggatccaa	caaccccaca	ggtattccat	240
ccgacataga	caaaatccca	ttccaccctt	actacacagt	taaagacatt	ctaggcgccc	300
tactactaat	cctaacccta	ctaatactaa	ccctattcgc	acccgacctg	cttggagacc	360
cagacaacta	caccccagca	aatccactca	gtaccccagc	acacattaaa	ccagaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccccaa	caaattaggc	gg	472

<210> 61

<211> 472

<212> DNA

<213> Balaenoptera edeni

<400> 61

taccctgagg	acaaatatca	ttttgaggcg	caaccgtcac	caccaacctc	ttatcagcaa	60
tcccatacat	tggtactacc	ctagtcgaat	gaatctgggg	cggttttctc	gtagataaag	120
caacactaac	acgctttttt	gccttccact	ttatctctcc	cttcattatt	ctagcactag	180
caatgggtcca	cctcattttc	ctccacgaaa	caggatccaa	taaccccaca	ggtattccat	240
ccaacataga	caaaatccca	ttccaccctt	attacacaac	taaagacatt	ctaggcgccc	300
tactactaat	cctaacccta	ctaattgctaa	ccctattcgt	acccgacctc	cttggagacc	360
cagacaacta	cactccagca	aatccactca	gtaccccac	acacattaaa	ccagaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaattaggc	gg	472

<210> 62

<211> 472

<212> DNA

<213> Eschrichtius robustus

<400> 62

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tcccatacat	tggcactacc	ctagtcgaat	gggtctgagg	cggtttttct	gtagataaag	120
caacactaac	acgctttctt	gccttccact	tcctctctcc	attcattatc	ctagcactag	180
caattgtcca	cctcattttc	ctccacgaaa	cgggatccaa	caaccccaca	ggcattccat	240
ccaacataga	caatatccca	ttccaccctt	attacacaat	taaagacata	ctaggcgccc	300
tgctactaat	cctaacccta	ctaatactaa	ccctattcgc	acccgacctg	ctcggagacc	360
cagacaacta	taccccagca	aacccactca	gcaccccac	acatattaaa	ccagagtgat	420
atttcctatt	tgcatacgca	atcctacgat	cgatccccaa	caaattaggc	gg	472

<210> 63

<211> 472

<212> DNA

<213> Balaenoptera musculus

<400> 63

tgccctgagg	acaaatatca	ttctgaggcg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccatacat	tggtactacc	ctagtcgaat	gaatctgagg	cgggttttct	gtggataaag	120
caacactaac	acgcttcttt	gccttccact	tcattctccc	cttcatcatt	atagcattag	180
caatcgtcca	cctcatcttc	cttcacgaaa	caggatccaa	caaccccaca	ggtatcccat	240
ctgacataga	taaaattcca	ttccaccctt	actacacaat	taaagacatt	ctaggcgccc	300
tactactaat	cctaacccta	ctaataattaa	ctctatttgc	acccgactta	ctcggagacc	360
cagacaacta	caccccagca	aaccctactca	gtaccccagc	acacattaaa	ccagagtgat	420
atttcctatt	tgcataatgca	atcctacgat	caatccccaa	caaattaggc	gg	472

<210> 64

<211> 472

<212> DNA

<213> Megaptera novaeangliae

<400> 64

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tcccatacat	tggtactacc	ctagtcgaat	gaatctgggg	cgggttttcc	gtagacaaag	120
caacactaac	acgtttcttt	gctttccact	tcactctccc	cttcatcatt	acagcattag	180
caatcgtcca	cctcatcttc	cttcacgaaa	caggatccaa	caaccccaca	ggcatcccat	240
ccaacataga	caaaatccca	ttccaccctt	actacacaat	caaagacact	ctaggcgccc	300
tattactaat	cctaacccta	ctaattgttaa	ccctattcgc	acctgacctg	cttggagacc	360
tagataacta	caccccagca	aaccctactca	gtaccccagc	acacattaaa	ccagagtgat	420
atttcctatt	tgcatacgc	atcctacgat	caatccccaa	caaactaggc	gg	472

<210> 65

<211> 472

<212> DNA

<213> Balaenoptera physalus

<400> 65

tgccctgagg	acaaatatca	ttctgaggcg	caactgtaat	cactaacctc	ctatcagcaa	60
tcccatacat	tggtaccacc	ctagtcgaat	gaatctgagg	cgggtttctct	gtagataaag	120
caacactaac	acgctttttt	gcctttcact	ttatctctcc	cttcatcatc	ctagcattag	180
caattgtcca	ccttattttc	cttcacgaaa	caggatccaa	caaccccaca	ggcatcccat	240
ccgacataga	taaaatccca	ttccaccctt	accacacaat	taaagacatt	ctagggtgcc	300
tattactaat	cctaataccta	ctaataactaa	ccctattcgc	acccgacctt	cttggagacc	360
cagacaacta	taccccagca	aaccctactca	gtaccccagc	acacattaaa	ccagaatggt	420
attttctatt	cgcatacgc	atcctacgat	caatccccaa	caaactaggc	gg	472

<210> 66

<211> 472

<212> DNA

<213> Caperea marginata

<400> 66

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tcccatatat	tggtaccacc	ctagttgaat	gaatctgggg	tggtttctcc	gtagacaaag	120

cgacactaac	tcgcttcttt	gctttccact	tcctcctccc	tttcattatt	ctagcgctag	180
cagctgttca	tctccttttc	ctccacgaaa	caggatctaa	caaccccaca	ggcatcccat	240
ccaacataga	caaaattcca	ttccaccctt	actacacaat	taaagacatc	ctgggcgctc	300
tactactaat	cctgacccta	ctaataattaa	ccttattttac	acctgacctg	cttggagacc	360
ctgacaacta	caccccagca	aatcccctca	gcaccccagc	acacatcaag	ccagaatgat	420
acttcctatt	tgcatatgca	atcctacgat	caattcctaa	taaattaggt	gg	472

<210> 67

<211> 472

<212> DNA

<213> Cephalorhynchus commersonii

<400> 67

taccctgggg	acagatatca	ttttgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacat	cggtactacc	ttagtagaat	gaatctgagg	cggatttttc	gtagacaaaag	120
caacactaac	acgctttttc	gccttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattcctaata	cctaacccta	ctagcattaa	ccctatttgc	ccccgacctc	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcaccccgc	acacatcaaa	ccagagtgat	420
acttcctatt	cgcatatgca	atcctacgat	caattcccaa	taaacttgga	gg	472

<210> 68

<211> 472

<212> DNA

<213> Cephalorhynchus eutropia

<400> 68

taccctgggg	acagatatca	ttttgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacat	cggtactacc	ttagtagaat	gaatctgagg	cggatttttc	gtagacaaaag	120
caacactaac	acgctttttc	gccttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattcctaata	cctaacccta	ctagcactaa	ccctatttgc	ccctgacctc	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcaccccgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 69

<211> 472

<212> DNA

<213> Lagenorhynchus obliquidens

<400> 69

taccctgagg	acagatatca	ttctgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacat	cggtactacc	ttagtagaat	gaatctgagg	cggatttttc	gtagacaaaag	120
caacactaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattcctaata	tctaacccta	ctagcactaa	ccctattcac	ccctgacctc	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcaccccgc	acacatcaaa	ccagaatggt	420
acttcctatt	cgcatatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 70

<211> 472

<212> DNA

<213> Cephalorhynchus heavisidii

<400> 70

taccctgagg	acaaatatca	ttttgaggcg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacac	cggtagtacc	ttagtagaat	gaatctgagg	cggattttcc	gtggacaaag	120
caacactaac	acgctttttc	gcctttccact	ttatcctccc	attcatcatc	acagcattag	180
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ccaacataga	cataatccca	ttccaccctt	attacacaa	taaagacatc	ctaggcgctt	300
tattccta	tctagcccta	ctagcactaa	ccctattcgc	ccctgaccta	ctgggagacc	360
ctgataacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcataatgca	atcctacgat	caatccctaa	taaacttgga	gg	472

<210> 71

<211> 472

<212> DNA

<213> cephalorhynchus hectori

<400> 71

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caacactaac	acgctttttc	gcctttccact	ttatcctccc	attcatcatc	acagcattaa	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
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tattccta	tctaactccta	ctagcactaa	ccctattcgc	ccctgaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	acacccccgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcataatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 72

<211> 472

<212> DNA

<213> Lagenorhynchus australis

<400> 72

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caacactaac	acgctttttc	gcctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cttactattc	ttacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	actacacaa	taaagacatc	ctaggcgctt	300
tattccta	tctagcccta	ctagcactaa	ccctattcac	ccctgaccta	ctaggagacc	360
ctgacaacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcataatgca	atcctacgat	caattcctaa	taaactcgga	gg	472

<210> 73

<211> 472

<212> DNA

<213> Lagenorhynchus cruciger

<400> 73

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tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gctttccact	tcctctccc	attcatcatc	acagcattag	180
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ccaacataga	cataatccca	ttccaccctt	actacacaat	taaagacatc	ctaggcgctt	300
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ctgacaacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcctacgat	caatttcctaa	taaactcgga	gg	472

<210> 74

<211> 472

<212> DNA

<213> *Lagenorhynchus obscurus*

<400> 74

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tcccctacat	tggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gctttccact	ttatctctcc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	cagaatccaa	caacccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattcctaata	tctagcccta	ctaactactaa	ccctattcac	ccccgacctc	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcctacgat	caatttcctaa	taaacttgga	gg	472

<210> 75

<211> 472

<212> DNA

<213> *Lissodelphis borealis*

<400> 75

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tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gctttccact	ttatctctcc	attcatcatc	acagcattag	180
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tattcctaata	tctggcccta	ctagcactaa	ccctattcac	ccctgacctc	ctaggagacc	360
ctgataacta	caccccagca	aatccattaa	gcacccctgc	acacatcaaa	ccagaatggt	420
acttcctatt	tgcatacgca	atcctacgat	caatttcctaa	taaacttgga	gg	472

<210> 76

<211> 472

<212> DNA

<213> *Lissodelphis peronii*

<400> 76

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tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gctttccact	ttatctctcc	attcatcatc	acagcattag	180
cagctgttca	cctactgttc	ctacacgaga	caggatccaa	taacccccaca	ggaattcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctgggcgctt	300



tattctttaat	tctgacccta	ctagcactaa	ccctatttac	ccctgacctg	ttaggagatc	360
ctgataacta	caccccagca	aatccattaa	gcacccctgc	acacatcaaa	ccagaatggt	420
actttctatt	cgcatacgca	atcctacgat	caattccctaa	taaacttgga	gg	472

<210> 77

<211> 472

<212> DNA

<213> Globicephala macrorhynchus

<400> 77

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tcctttacat	cggcaccacc	ttagtagaat	gaatctgagg	tggattttcc	gtagacaaaag	120
caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
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ccaacataga	cataattcca	ttccacccct	attatacaat	taaagacatc	ctaggcgccc	300
tactcttaat	cctagcacta	ctaactactaa	ccctattcac	ccctgacctc	ctaggagacc	360
ctgataacta	tactccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcctacgat	caattcccaa	taaacttgga	gg	472

<210> 78

<211> 472

<212> DNA

<213> Globicephala melas

<400> 78

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caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acaacattag	180
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ccaacataga	cataattcca	ttccacccct	attatacaat	taaagatata	ctaggcgccc	300
tactcttaat	cctagcacta	ctaactactaa	ccctattcac	ccctgacctc	ctaggagacc	360
ctgataacta	tactccagca	aaccactactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 79

<211> 472

<212> DNA

<213> Feresa attenuata

<400> 79

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caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
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ccaacataga	cataattcca	ttccacccct	attatacaac	taaagatata	ctagggtgccc	300
tactcttaat	tctaactata	ctaactactaa	ccctgttcac	ccctgacctc	ctaggagacc	360
ctgataacta	tactccagca	aaccactactaa	gcacccctgc	acacatcaaa	ccagagtgat	420
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<210> 80

<211> 472

<212> DNA

<213> *Peponocephala electra*

<400> 80

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caacactaac	acgttttttc	gctttccact	tcctctccc	attcatcatc	acagcattgg		180
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ccaacataga	cataattcca	ttccaccctt	attatacaat	taaagacatc	ctaggcgctc		300
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ctaacaacta	tacccagca	aaccactaa	gcaccctgc	acacatcaaa	ccagaatgat		420
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<210> 81

<211> 472

<212> DNA

<213> *Grampus griseus*

<400> 81

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caacactaac	acgttttttc	gctttccact	ttatctctcc	attcatcatc	acagcattag		180
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ccaacataga	cataattcca	ttccaccctt	attacacaat	taaagacatc	ctaggcgccc		300
tactcttaat	cctaactacta	ctaactactaa	ccctattcac	ccctgacctc	ctaggagacc		360
ctgataacta	cactccagca	aaccgctaa	gcaccctgc	acacatcaaa	ccagaatgat		420
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<210> 82

<211> 472

<212> DNA

<213> *Pseudorca crassidens*

<400> 82

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caacactaac	acgttttttc	actctccact	ttatctctcc	attcatcatt	acagcactaa		180
cagctaccca	cctactattc	ctacacgaga	ctggatccaa	taacccacaca	ggaatcccat		240
ccaacataga	cataattcca	ttccaccctt	attacacaat	taaagatatc	ctaggcgccc		300
tactcttaat	tctaactacta	ctaactactaa	ccctattcac	ccccgacctc	ctaggagacc		360
ctgataacta	tattccagca	aaccactaa	acaccctgc	acacatcaaa	ccagaatgat		420
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<210> 83

<211> 472

<212> DNA

<213> *Lagenorhynchus acutus*

<400> 83

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------------	------------	------------	------------	------------	------------	----

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tactcttaat	tctaacccta	ctagcactaa	ccctattcac	ccctgaccta	ctaggagacc	360
ctgataacta	cactccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 84

<211> 472

<212> DNA

<213> *Orcinus orca*

<400> 84

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caacactaac	acgttttttc	gccttccact	ttatcctccc	attcatcatc	acagcattaa	180
cagctgttca	cctactgttc	ctacacgaga	caggatccaa	taaccccaca	ggaatcccat	240
ccaacataga	tataatcccc	ttccaccctt	atcacacaat	taaagatacc	ctaggcgccc	300
tactcttaat	cctaaccctg	ctagcactaa	ccttattcgc	ccctgaccta	ctaggagacc	360
ctgacaacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
acttcttatt	cgcatacgca	atcctacgat	cagttcccaa	taaacttgga	gg	472

<210> 85

<211> 472

<212> DNA

<213> *Orcaella brevirostris*

<400> 85

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caacactaac	acgttttttc	gccttccact	ttatccttcc	attcatcatc	acagcactag	180
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ccaacataga	cataatcccc	ttccaccctt	atcatacatt	taaagacatc	ctaggcgccc	300
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ctgataacta	tactccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
acttcttatt	cgcatacgcg	atcctacgat	caattcctaa	taaactcggg	gg	472

<210> 86

<211> 472

<212> DNA

<213> *Delphinus capensis*

<400> 86

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caacattaac	acgttttttc	gctttccact	ttatccttcc	attcatcatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaatataga	cataatcccc	ttccaccctt	attatacaat	caaagatatc	ctagggtgct	300
tactccta	cttaacccta	ctagcactga	ccctattcac	tccagaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccactaa	gcacccctgc	acatatcaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcctacgat	caatccctaa	taaacttgga	gg	472

<210> 87

<211> 472

<212> DNA

<213> Delphinus tropicalis

<400> 87

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caacattaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
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ctgataacta	taccccgagca	aatccactaa	gcacccctgc	acatatcaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcttacgat	caatccctaa	taaacttgga	gg	472

<210> 88

<211> 472

<212> DNA

<213> Delphinus delphis

<400> 88

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caacattaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcactag	180
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ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctaggtgcct	300
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ctgataacta	taccccgagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 89

<211> 472

<212> DNA

<213> Stenella clymene

<400> 89

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caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcatcatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaattccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctaggtgcct	300
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ctgacaacta	taccccgagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 90

<211> 472

<212> DNA

<213> *Stenella coeruleoalba*

<400> 90

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caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcattatc	acagcattag	180
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ctgataacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 91

<211> 472

<212> DNA

<213> *Tursiops aduncus*

<400> 91

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ctgataacta	tatcccagca	aatccactaa	gtacccccgc	acacatcaaa	ccagagtgat	420
actttctatt	cgcatacgca	atcttacgat	caatccctaa	taaacttgga	gg	472

<210> 92

<211> 472

<212> DNA

<213> *Stenella frontalis*

<400> 92

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caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcattatc	acagcattag	180
cagccggttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagacatc	ctagggtgcct	300
tactcctaata	cttaacccta	ctagcactaa	ccctattcac	ccccgaccta	ctaggagacc	360
ctgacaatta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 93

<211> 472

<212> DNA

<213> *Sousa chinensis*

<400>93

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caacattaac	acgctttttc	gctttccact	ttatcctttc	cttcattatc	acagcattag	180

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tactccta	cttaacccta	ctagcactaa	ccctattcac	ccccgaccta	ctaggagacc	360
ccgataacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcttacggt	caatccctaa	taaacttgga	gg	472

<210> 94

<211> 472

<212> DNA

<213> *Stenella longirostris*

<400> 94

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ctgataacta	taccccagca	aatccactaa	acacccctgc	acacatcaaa	ccagaatgat	420
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<210> 95

<211> 472

<212> DNA

<213> *Tursiops truncatus*

<400> 95

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caacattaac	acgctttttc	gccttccact	ttattcttcc	attcatcatc	acagcattgg	180
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<210> 96

<211> 472

<212> DNA

<213> *Lagenorhynchus alborostris*

<400> 96

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ccgataacta	taccccagca	aatccactaa	gcactcctgc	acacatcaaa	ccagaatggt	420
atttcctatt	cgcatacgca	atcctacgat	caatccctaa	caaacttgga	gg	472

<210> 97

<211> 472

<212> DNA

<213> *Steno bredanensis*

<400> 97

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ccgacaacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatggt	420
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<210> 98

<211> 472

<212> DNA

<213> *Sotalia fluviatilis*

<400> 98

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<210> 99

<211> 472

<212> DNA

<213> *Delphinapterus leucas*

<400> 99

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cagacaatta	caccccagca	aacccactaa	acaccccgcc	acacatcaaa	ccagaatggt	420
acttcctatt	tgcatacaca	atcctacgat	caatccccaa	caaactagga	gg	472

<210> 100

<211> 472

<212> DNA

<213> *Monodon monoceros*

<400> 100

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caacactaac	acgcttcttc	accttccact	ttatcctccc	attcatcatc	acagcactag	180
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ctgacaatta	taccccagca	aacccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 101

<211> 472

<212> DNA

<213> *Platanista gangetica*

<400> 101

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caacactaac	acgattcttt	gcctttcact	tcatcctccc	tttcatcatc	ctaactactag	180
caattatcca	cctactattc	ctacacgaaa	caggctcaaa	caaccccaca	ggaattcccat	240
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tcctccta	cctaacctca	ctcacattaa	ccttattttac	acctgaccta	ctaggagacc	360
ccgataacta	caccccagca	aaccgcgtta	ataccccagc	acatatcaaa	ccagagtgat	420
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<210> 102

<211> 472

<212> DNA

<213> *Platanista minor*

<400> 102

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caacactaac	acgattcttt	gcctttcact	tcatcctccc	tttcatcatc	ctaactactag	180
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ccaacactga	caaaatccct	ttccacccct	actacacaat	caaagacacc	ctaggcgccc	300
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ccgataacta	caccccagca	aaccgcgtta	ataccccagc	acatatcaaa	ccagagtgat	420
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<210> 103

<211> 472

<212> DNA

<213> *Kogia breviceps*

<400> 103

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ccacattaac	acgcttcttt	gcctttcact	tcctcctccc	ctttatcatc	ctagcactgg	180
caatgggtcca	cctcttattt	ctccacgaaa	caggatccaa	caaccccata	ggaatcccat	240
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ctgacaacta	caccccagca	aaccactaa	gcaccccggc	acacattaaa	ccagaatgat		420
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<210> 104

<211> 472

<212> DNA

<213> *Kogia simus*

<400> 104

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ctacgctaac	acgcttcttt	gctttccact	ttattctccc	cttcatcatc	ctagcactag	180
caataatcca	cctcctat	ctccacgaaa	caggatccaa	caaccccta	ggaattcctt	240
ctgatataga	caaaatccca	ttccaccctt	actacacaat	caaagatatc	ctaggcgccc	300
tactactaat	ctcagcacta	ctcacactga	ccctgttcgc	acctgatcta	ctaggagacc	360
ccgacaacta	tacccagca	aaccactaa	gcaccccggc	acacattaaa	ccagaatgat	420
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<210> 105

<211> 472

<212> DNA

<213> *Physeter catodon*

<400> 105

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caacactgac	acgcttcttc	actctccact	tcattcctccc	ctttatcacc	ctaactactaa	180
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ccaacataga	caaaatccca	ttccaccctt	accacacaat	caaagacacc	ataggtgccc	300
tactactaat	cctatcccta	cttactactaa	ccctgttcgc	acccgacctg	ctaggagatc	360
ctgacaacta	cacccagca	aatccactaa	ataccccaac	acacatcaaa	ccagaatggt	420
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<210> 106

<211> 472

<212> DNA

<213> *Lipotes vexillifer*

<400> 106

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caacattaac	ccgcttcttc	gctctccatt	tcattccttcc	atttattatt	gtagcactaa	180
caaccgtcca	cttactat	ctccatgaaa	caggatccaa	caacccaata	ggaattccat	240
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ttctattaat	atttggttcta	ctcacactaa	ccttacttgc	accagacctc	ctcggagatc	360
ctgataatta	tacccagca	aaccactaa	acactccgc	acacatcaaa	ccagaatgat	420
atttcctctt	cgcatacgca	attctacgat	caattcccaa	taaattagga	gg	472

<210> 107

<211> 472

<212> DNA

<213> *Phocoena sinus*

<400> 107

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ccacactaac	acgcttcttt	gccttccatt	tcctcttcc	atttattatt	ttagccctag	180
cagccgtcca	cttactattt	ctccacgaaa	caggatctaa	taaccccaca	ggaatcccat	240
ccgatataga	caaaatccca	ttccaccctt	attacacaat	caaagacatc	ctaggagccc	300
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ccgataacta	taccccagca	aatccactca	gcaccccagc	acacattaag	ccagaatgat	420
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<210> 108

<211> 472

<212> DNA

<213> *Berardius bairdii*

<400> 108

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ccacactaac	acgcttcttt	gccttccact	ttatctctcc	ttttatcatt	ctaaccctag	180
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ccaatataga	taaaattcca	ttccaccctt	actatacaat	caaagatata	ctaggagccc	300
tactactaat	cctagcccta	ctcacgctaa	ccctatttgc	acccgacctc	ctaggagagc	360
ccgacaacta	taccccggca	aacccgctca	gcaccccaac	acatattaag	ccagaatgat	420
acttcttggt	cgcatacgca	atctttagat	cagtccttaa	taaactaggg	gg	472

<210> 109

<211> 472

<212> DNA

<213> *Ziphius cavirostris*

<400> 109

taccttgagg	acaaatatca	ttctgaggtg	caaccgtcat	cacaaacctc	ttatccgcta	60
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ccacactaac	acgcttcttt	gccttccatt	tcctcttcc	atttattatt	ttagccctag	180
cagccgtcca	cttactattt	ctccacgaaa	caggatctaa	taaccccaca	ggaatcccat	240
ccgatataga	caaaatccca	ttccaccctt	attacacaat	caaagacatc	ctaggagccc	300
tactattaat	cgtaattcta	ctcgactaa	ccctattcgc	acccgacctg	ctaggagacc	360
ccgataacta	taccccagca	aatccactca	gcaccccagc	acacattaag	ccagaatgat	420
acttcttatt	cgcatacgca	atcctacgat	caattcccaa	taaactagga	gg	472

<210> 110

<211> 472

<212> DNA

<213> *Mesoplodon europaeus*

<400> 110

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tactactaat	tctagcccta	ctcaccctaa	ccctattcgc	acccgacctg	ctaggagacc	360
ccgacaatta	caccccagca	aaccactta	atactccagc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatacgca	attctacgat	caattcccaa	caaactagga	gg	472

<210> 111

<211> 472

<212> DNA

<213> Mesoplodon bidens

<400> 111

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ccacattaac	acgcttcttc	gccttccact	ttatcctccc	atctattatt	ttagccctag	180
caatcgtcca	cttactattt	ctccatgaaa	caggatctaa	caaccctaca	ggaattccat	240
ccgacataga	taaaattcca	ttccaccctt	actacacaat	taaagatata	ctgggagccc	300
tactactaat	tctaacccta	ctcgacttaa	ccctattcgc	acctgacctg	ctaggagacc	360
ccgacaacta	taccccagca	aaccactca	gcacccagc	ccacatcaaa	ccagagtggg	420
atcttctatt	cgcatacgca	atcttacgat	caattcctaa	taaactagga	gg	472

<210> 112

<211> 472

<212> DNA

<213> Mesoplodon densirostris

<400> 112

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ccacattaac	acgcttcttc	gcttttccact	tcacccctcc	ctttattatt	ctagccctaa	180
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tactattaat	tctggcccta	cttatactaa	ccctatttgc	acctgacctc	ctaggagacc	360
ccgataatta	tactccagca	aaccactca	acactccagc	acacatcaaa	ccagagtggg	420
atcttctatt	tgcatacgca	atcctacgat	caatcccaa	caaattagga	gg	472

<210> 113

<211> 472

<212> DNA

<213> Hyperoodon ampullatus

<400> 113

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ccacattaac	ccgcttttcc	gccttccact	ttatcctccc	attcattatt	ctagccctag	180
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ctgacataga	caaaatcccg	ttccaccctt	actacacaat	caaagacact	ctaggggccc	300
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ctgataacta	taccccagca	aaccactca	gcactccagc	acacatcaaa	ccagaatggg	420
acttcttatt	tgcatacgca	atcctacgtt	caatccctaa	caaactagga	gg	472

<210> 112

<211> 472

<212> DNA

<213> *Mesoplodon densirostris*

<400> 112

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ctgacataga	taaaattcca	tttcaccctt	attacacaat	caaagatatt	ttaggagccc	300
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ccgataatta	tactccagca	aaccctactca	acactccagc	acacatcaaa	ccagagtggg	420
atcttctatt	tgcatacgca	atcctacgat	caatccccaa	caaattagga	gg	472

<210> 113

<211> 472

<212> DNA

<213> *Hyperoodon ampullatus*

<400> 113

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ccacattaac	ccgctttttc	gccctccact	ttatcctccc	attcattatt	ctagccctag	180
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ctgacataga	caaaatcccg	ttccacccat	actacacaat	caaagacact	ctaggggccc	300
tattactaat	cctagtccca	ctcacattaa	ccctattcgc	acccgacctt	ctaggagacc	360
ctgataacta	taccccagca	aaccctactca	gcactccagc	acacatcaaa	ccagaatggg	420
acttcttatt	tgcatacgca	atcctacggt	caatccctaa	caaactagga	gg	472

<210> 114

<211> 472

<212> DNA

<213> *Hyperoodon ampullatus*

<400> 114

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ccacattaac	ccgctttttc	gccctccact	ttatcctccc	attcattatt	ctagccctag	180
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acttcttatt	tgcatacgca	atcctacggt	caatccctaa	caaactagga	gg	472

<210> 114

<211> 472

<212> DNA

<213> *Hyperoodon ampullatus*

<400> 114

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<210> 115

<211> 472

<212> DNA

<213> *Mesoplodon peruvianus*

<400> 115

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<210> 116

<211> 472

<212> DNA

<213> *Pontoporia blainvillei*

<400> 116

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caacactaac	gogattcttc	gctttccatt	ttatccttcc	attcattatt	acagccctag	180
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<210> 117

<211> 472

<212> DNA

<213> *Hippopotamus amphibius*

<400> 117

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<210> 118

<211> 472

<212> DNA

<213> Hexaprotodon liberiensis

<400> 118

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cagacaacta	cacccccgca	aaccccttta	gcacaccacc	acacattaaa	ccagaatgat	420
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<210> 119

<211> 472

<212> DNA

<213> Rhinoceros sondaicus

<400> 119

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cagacaacta	catcccagcc	aaccctctca	gcacccctcc	acatatcaaa	ccagaatggt	420
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<210> 120

<211> 472

<212> DNA

<213> Ceratotherium simum

<400> 120

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ctgaca	aacta	cacccct	gcc	aatcct	tctca	gcactccc	cc	acatat	caaaa	ccagaat	gat	420
actttct	tatt	tgcttac	gcga	atcctac	gat	ccatccct	aa	caaact	taggc	gg		472

<210> 121

<211> 472

<212> DNA

<213> *Dicerorhinus sumatrensis*

<400> 121

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ccaccct	cac	cgggttc	ttt	gctttcc	act	tcattcct	ccc	cttcatt	catc	ctagccc	tag	180	
caattacc	cca	cctgctat	tc	ctacatg	aaa	caggatc	caa	caacccat	ca	ggaatcc	cat	240	
ctaaca	taga	caaaatc	cca	tttcaccc	at	actataca	aat	caaagac	atc	ctaggag	ccc	300	
tactttc	ta	at	cctagc	ccta	ctcacc	cctag	ttctatt	ctc	gcctgac	ctc	ctaggag	acc	360
cggaca	aacta	cacaccc	gcc	aaccct	tctca	gcaccc	ctc	acacatta	aaa	ccagaat	gg	420	
acttcct	tatt	cgcctac	gcga	atcctac	gat	ccatcccc	aa	taaact	taggc	gg		472	

<210> 122

<211> 472

<212> DNA

<213> *Equus asinus*

<400> 122

taccatg	agg	acaaata	tcc	ttctgag	gag	caacggt	cat	tacaaac	ctc	ctatcag	caa	60
tcccctac	at	cggtagt	acg	ctcgtcg	aat	gaatctg	agg	tggattt	ctc	gtagaca	aaag	120
ccaccct	tac	cggattt	ttt	gccttcc	act	ttattct	acc	ctttatt	catc	acagccc	tgg	180
taatcgt	cca	tctactat	tc	ctccacg	aaa	caggatc	caa	caacccct	ca	ggaatcc	cat	240
ctgacata	ga	caaaatc	cca	ttccaccc	gt	actacaca	aat	taaagac	atc	ctaggac	ttc	300
tcctccta	gt	cctactc	ccta	ctaacc	cctag	tattatt	ctc	ccctgac	ctc	ctaggag	acc	360
cagaca	aacta	caccccg	ct	aacccct	ca	gcactccc	cc	tcata	attaag	ccagaat	gg	420
atttcct	tatt	tgcttac	gcgc	atcctac	gct	ccattcccc	aa	caaact	taggt	gg		472

<210> 123

<211> 472

<212> DNA

<213> *Babyrousa babyrusa*

<400> 123

taccttg	agg	acaaata	tca	ttttgag	gag	ctaccgt	cat	tacaaac	ccta	ctatcag	cca	60
ttccctata	t	cggaac	ggac	ctcgtag	aat	ggatctg	agg	aggttt	ctc	gtcgata	aaag	120
caaccct	cac	acgatt	cttt	gctttcc	act	ttattct	acc	cttcatt	catc	accgct	ctcg	180
caaccgt	taca	tctattat	tc	cttcacg	aaa	ctggatc	caa	taaccct	act	ggaattt	cat	240
cagatat	aga	caaaatc	cca	ttccaccc	ct	actatacc	at	taaagac	att	ctaggag	ccc	300
tactcata	aat	tatagct	ctt	ctaata	cctag	tactatt	ctc	accagat	cta	ctaggag	acc	360
cggaca	aacta	tactccag	ca	aacccta	aa	atacacc	acc	ccacatta	ag	ccagaat	gat	420
acttcct	tatt	tgccctac	gcgc	atcctac	gct	caatcccc	aa	caaatt	taggc	gg		472

<210> 124

<211> 472

<212> DNA

<213> *Phacochoerus africanus*

<400> 124

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tcccctacat	tggaacaaat	cttgtagaat	gaatctgagg	aggttttctcc	gtcgacaaaag	120
caactctcac	acgattcttt	gccttccact	tcattttacc	ttttatcatc	gctgccctag	180
caaccgtaca	tctcttggtc	ctacacgaaa	ctggatctaa	caaccctact	ggaatctcat	240
cagacataga	caaaatccca	ttccacccat	actacaccat	taaagatatc	ctaggagccc	300
tattcataat	actaatcctg	ctaatacctag	tattattctc	cccagaccta	ctaggagacc	360
cagacaacta	taccccgagca	aacccattaa	acacaccacc	ccacatcaaa	ccagaatgat	420
acttcttatt	cgcctacgcc	atcctacggt	caatccctaa	taaattaggt	gg	472

<210> 125

<211> 472

<212> DNA

<213> *Sus scrofa* haplotype EWB3

<400> 125

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tcccctatat	cggaaacagac	ctcgtagaat	gaatctgagg	gggcttttcc	gtcgacaaaag	120
caaccctcac	acgattcttc	gccttccact	ttatcctgcc	attcatcatt	accgccctcg	180
cagccgtaca	tctcctattc	ctgcacgaaa	ccggatccaa	taaccctacc	ggaatctcat	240
cagacataga	caaaattcca	tttcacccat	actacactat	taaagacatt	ctaggagcct	300
tatttataat	actaatccta	ctaatacctg	tactattctc	accagaccta	ctaggagacc	360
cagacaacta	caccccagca	aacccactaa	acacccacc	ccatattaaa	ccagaatgat	420
atttcttatt	cgcctacgct	attctacggt	caattcctaa	taaactaggt	gg	472

<210> 126

<211> 472

<212> DNA

<213> *Sus barbatus*

<400> 126

tgccctgagg	acaaatatca	ttctgaggag	ctacggtcac	cacaaatcta	ctatcagcta	60
tcccctatat	cggaaacagac	ctcgtagaat	gaatctgagg	gggcttttcc	gtcgacaaaag	120
caacccttac	acgattcttc	gccttccact	ttatcctgcc	cttcgtcatt	accgccctcg	180
cagccgtaca	tctcctattc	ctacacgaaa	ccggatccaa	taaccccacc	ggaatttcat	240
cagacataga	caaaattcca	tttcacccat	actacactat	caaagacatt	ctaggagcct	300
tatttataat	actaatccta	ctaatacctg	tactattctc	accagaccta	ctaggagacc	360
cagacaacta	caccccagca	aacccactaa	acacccacc	ccatattaaa	ccagaatgat	420
acttcttatt	cgcctacgct	attctacggt	caatccccaa	taaactaggc	gg	472

<210> 127

<211> 472

<212> DNA

<213> *Lama glama*

<400> 127



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ttccatatgt	tggcacaaca	ctagtcgaat	gaatttgagg	aggattctcc	gtagacaaaag	120
ccacccttac	acgattcttc	gccttccact	ttatcttacc	ttttgtcatt	gcagctctag	180
caggagtaca	tctactattt	ttacacgaaa	caggctccaa	caatccaaca	ggaatttctt	240
cggatataga	caaaatcccc	ttccatccct	actatacaat	taaagacatt	ctaggagcac	300
tactacttat	tctaacccta	cttctactcg	tactattctc	accagaccta	ctaggagacc	360
ccgacaacta	tactcccgct	aacccccctca	acacaccgcc	ccatattaaa	ccagaatgat	420
acttcctatt	tgcatacgcc	atcctacgat	ccatccccaa	taaattaggc	gg	472

<210> 128

<211> 472

<212> DNA

<213> lama guanicoe

<400> 128

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ttccatatgt	tggcacaaca	ctagtcgaat	gaatttgagg	ggggttctcc	gtagataaaag	120
ccacccttac	rogattcttc	gccttccact	ttatcttacc	ttttgtcatt	gcagctctag	180
caggagtgca	tctactattt	ttacacgaaa	caggctccaa	caatccaaca	ggaatttctt	240
cggatataga	caaaatcccc	ttccatccct	actatacaat	taaagacatt	ctaggagtac	300
tactacttat	tctgacccta	cttctactcg	tactattctc	accagaccta	ctaggagacc	360
ccgacaacta	tactcccgct	aacccccctca	acacaccgcc	tcatattaaa	ccagaatgat	420
acttcctatt	tgcatacgcc	atcctacgat	ccatccccaa	caaattaggc	gg	472

<210> 129

<211> 472

<212> DNA

<213> Vicugna vicugna

<400> 129

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ccacccttaa	ccgattcttc	gccttccact	ttatcttacc	tttcatcatt	gcagctctag	180
cgggagtaca	tctactattt	ttacacgaaa	caggctccaa	caacccaaca	ggaatttctt	240
cagatataga	caaaattccc	ttccatccct	actacacaat	taaagacatt	ttaggagcac	300
tactacttat	tctgattcta	ctcctactcg	tactattctc	accagactta	ctaggagacc	360
ccgacaacta	tacccccgct	aacccccctta	acacaccacc	ccacattaaa	ccagaatgat	420
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<210> 130

<211> 472

<212> DNA

<213> Camelus bactrianus

<400> 130

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ttccctatat	cggcacaaca	ctagtagaat	gaatttgagg	tggcttctcc	gtagacaaaag	120
ccaccctcac	acgattcttt	gccttccact	tcacctcgcc	atctattatc	acggccctag	180
tagccgtaca	cctattatct	ctacacgaaa	caggctctaa	taacccgaca	ggaatctcct	240
cagacataga	caaaatccca	ttccacccct	actacacaat	taaagacatc	ctaggagcac	300
tgctactaat	attaattctc	cttattctcg	tactgttctc	accagactta	ttaggagatc	360
ctgacaacta	tactcccgct	aacccccctca	atacaccacc	acacattaag	ccggaatgat	420

atttcctatt cgcatacgt atcctacgat ccatcccca caaattggga gg 472

<210> 131

<211> 472

<212> DNA

<213> *Arctocephalus forsteri*

<400> 131

ttccatgagg	acaaatatca	ttctgaggag	cgaccgtcat	taccaacctc	ctatcagcag	60
tcccctacat	tgggaccaac	ctagtagaat	gaatctgagg	aggattttca	gttgataaag	120
caaccctaac	acgattcttc	gcctttcact	tcattctccc	cttcgtagca	tcagcactag	180
taatagtaca	tctgctattc	ctacatgaaa	caggatccaa	taacccatca	ggagtctcct	240
ctgactcaga	caaaatccca	ttccacccat	attatacaat	taaagatatc	ctgggagccc	300
tcctactaat	cttgattcta	atattactag	taatattttc	accagatctg	ctgggagacc	360
cagacaacta	caccccagcc	aacccctca	gcactccacc	acatattaaa	cctgaatgat	420
attttctatt	cgcctacgcc	attttacgat	ctatcccca	caaactagga	gg	472

<210> 132

<211> 472

<212> DNA

<213> *Arctocephalus gazella*

<400> 132

ttccatgagg	acagatatca	ttctgaggag	caaccgtcat	taccaacctc	ctgtcagcaa	60
tcccctacat	cggaaactaac	ctagtagaat	gaatctgagg	aggattttca	gttgataagg	120
caaccctaac	acgattcttc	gcctttcact	ttattcttcc	cttcgtagta	tcagcactag	180
taatagtaca	cctactattc	ctacacgaaa	caggatccaa	caacccatca	ggagtctcct	240
ctgactcgga	caaaattcca	ttccacccat	attatacaat	taaagatatc	ctgggagccc	300
tcttactaat	cttaattcta	atattactag	taatattttc	accagatctg	ctaggagacc	360
cagacaacta	catcccagcc	aacccctca	gtactccacc	acatatcaaa	cctgaatggt	420
attttctatt	cgcctatgcc	attttacgat	ctatcccca	caaactagga	gg	472

<210> 133

<211> 472

<212> DNA

<213> *Eumetopias jubatus*

<400> 133

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caaccctaac	acgattcttc	gcctttcact	ttattctccc	cttcgtagca	tcagcactag	180
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tcctactaat	cttaattcta	atattactag	taatattttc	accagacctg	ctgggagacc	360
cagacaacta	catcccagcc	aacccctca	gcactccacc	acatattaaa	cccgaatgat	420
atttcctatt	cgcctatgct	attttacgat	ccatcccca	caaattaggg	gg	472

<210> 134

<211> 472

<212> DNA

<213> *Zalophus californianus*

<400> 134

ttccatgagg	acaaatatca	ttttgaggag	caaccgtcat	taccaacctc	ctatcagcag	60
tcccttacat	cggaaccaac	ctagtagaat	gaatttgagg	gggattttca	gtcgacaaag	120
caaccctaac	acgattcttt	gccttccact	ttattctccc	cttcatagca	tcagcactag	180
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ctgactcaga	caaaattcca	ttccacccat	attacacaat	taaagatatc	ctaggaaccc	300
tcctactaat	cttaacccta	atactactag	taatatcttc	accggacctg	ctgggagacc	360
cagacaacta	tattccagcc	aacccctca	gcactccacc	acatattaaa	cctgagtgat	420
atttcctatt	cgcctatgct	attttacgat	ccatccccaa	caaattaggg	gg	472

<210> 135

<211> 472

<212> DNA

<213> *Odobenus rosmarus*

<400> 135

taccatgagg	acaaatatcc	ttctgaggag	caaccgtcat	caccaacctt	ctgtcagcaa	60
ttccctatgt	agggactgac	ttggtcgaat	gagtcctgagg	ggggttttca	gttgataaag	120
caaccctaac	acgattcctc	gccctccact	tcgttcttcc	attcatggca	ttagcactaa	180
cagcagtaca	cctactatct	ctccacgaaa	caggatctaa	caacccttcg	ggaatcctat	240
ctgactcaga	caaaatccca	tttcacccgt	actacacaat	taaagatatc	ctagggctca	300
tcattctaata	cctaacccta	atactactag	tactattctc	accagattta	ctgggagacc	360
cggacaatta	caccccagcc	aaccctctca	gcacccacc	ccatatcaaa	cccgaatgat	420
atttcctatt	cgcctacgct	atcctccgat	ctattcccaa	caaactcggg	gg	472

<210> 136

<211> 472

<212> DNA

<213> *Phoca vitulina*

<400> 136

taccatgagg	acaaatatca	ttttgaggag	caacagtcac	caccaatcta	ctatcagcaa	60
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caaccctaac	acgattcttc	gccttccact	tcactcctgcc	attcgtagta	tcagccctag	180
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ccaactcaga	caaaatccca	ttccacccgt	actatacaat	taaagatatc	ctagggggccc	300
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ccgacaacta	tatccctgcc	aatcccttaa	gcacccacc	acatatcaaa	cctgaatggt	420
acttcctatt	tgctacgca	atcttacgat	ccatccccaa	caaactagga	gg	472

<210> 137

<211> 472

<212> DNA

<213> *Phoca fasciata*

<400> 137

taccatgagg	acaaatatca	ttctgaggag	caacagtcac	cactaatcta	ctatcagcaa	60
ttccctatat	cggaaccgac	ctagtacaat	gaatctgagg	aggattttca	gttgataaag	120
caaccctaac	acgatttttc	gctttccact	ttatcctacc	atttgtagta	tcagcactag	180

cggcagttca	cctactattc	ctacacgaaa	caggatccaa	caacccctcc	ggaatcgtat	240
ccgactcaga	caaaatccca	ttccacccat	actatacaat	taaagatatc	ctaggagccc	300
tactcctcat	cctagtccta	atactactag	tactattctc	acccgaccta	ctaggagacc	360
ccgacaacta	cacccctgcc	aaccccttaa	gcacccacc	acatatcaag	cccgaatgat	420
actttctatt	tgcctacgca	atcctacgat	caatcccaa	caaactagga	gg	472

<210> 138

<211> 472

<212> DNA

<213> *Phoca groenlandica*

<400> 138

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caaccctaac	acgatttttc	gccttcact	tcattcttacc	attcgtagta	ttagcactag	180
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ccgacaacta	catccctgcc	aatcccttaa	gtacccacc	acatatcaag	cccgaatgat	420
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<210> 139

<211> 472

<212> DNA

<213> *Cystophora cristata*

<400> 139

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caactctaac	acgggttttc	gccttcact	tcattcttacc	attcgtagta	tcagcactag	180
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tactcctcat	cctagttcta	acactactag	tgctattctc	acccgatctg	ctaggagacc	360
ccgacaacta	tacccctgcc	aaccccttaa	gtacccacc	acatatataa	cctgaatgat	420
acttcttatt	cgcctatgca	atcctacgat	ctatcccaa	caaactagga	gg	472

<210> 140

<211> 472

<212> DNA

<213> *Hydrurga leptonyx*

<400> 140

tgccatgagg	acaaatatca	ttttgaggag	caacagttat	taccaactta	ctatcagcaa	60
ttccctacat	cggaaaccgac	ctagtacaat	gaatttgagg	cggattttca	gtcgataaag	120
caaccctaac	acgattcttc	gccttcact	ttatccttcc	cttcgtagta	tcagcactag	180
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ccgacaacta	tattcctgct	aaccccttaa	gcacccacc	acatatcaaa	cccgaatgat	420
atttcttatt	tgcctacgca	atcctacgat	ccattcccaa	taaactagga	gg	472

<210> 141

<211> 472

<212> DNA

<213> *Leptonychotes weddelli*

<400> 141

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ccgacaacta	tactcccgct	aatcccctaa	gtactccacc	acatatcaaa	cccgaatgat	420
atttcctatt	tgcctacgca	atcttacgat	ccatccctaa	caaactagga	gg	472

<210> 142

<211> 472

<212> DNA

<213> *Mirounga leonina*

<400> 142

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caaccctaac	acgattcttc	gccctccact	ttatcctacc	attcgtagca	ctagcactag	180
cagcagtaca	tctactattc	ctacacgaaa	caggatccaa	caacccctct	ggaatcccat	240
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tacttcttat	tctaacccta	atactattag	tggtattctc	acccgactta	ttagggagacc	360
ccgacaacta	cacccctgcc	aatcccctaa	gcacccacc	acatatataa	cccgaatgat	420
atttcctatt	tgcctacgca	atcctacgat	ctattcccaa	caaactagga	gg	472

<210> 143

<211> 472

<212> DNA

<213> *Erignathus barbatus*

<400> 143

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caaccctaac	acgattcttc	gccttcact	ttatcctacc	atttgtagta	ttagcattag	180
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tacttcta	cctagttctt	atacttctag	tgtattctc	acccgacctc	ctgggagatc	360
ccgacaacta	cactcccgct	aaccccctaa	gcacccacc	acatatataag	cccgaatgat	420
atttcctatt	cgcctatgca	atcctacgat	ccatccccaa	caaacttgga	gg	472

<210> 144

<211> 472

<212> DNA

<213> *Monachus schauinslandi*

<400> 144

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tcccttacat	cggaaacgat	ctagtacaat	gaatctgagg	cgggtttctca	gtagataaag	120
caaccctaac	acgattcttc	gctttccatt	ttattatacc	cttcatagta	ttagcactag	180
cagcagtcca	tttattattt	ctacacgaaa	caggatccaa	caatccctcc	ggaattccat	240
ccaactcaga	caaaatccca	ttccacccat	actatacaat	taaagacatt	ctaggagctt	300
tactccttat	cctaattcta	atactactag	tactattctc	acccgactta	ctaggagacc	360
ctgacaacta	catccctgcc	aaccctttaa	acactccacc	acacattaaa	cccgaatgat	420
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<210> 145

<211> 472

<212> DNA

<213> *Helarctos malayanus*

<400> 145

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tcccctatat	tggaaacggac	ctagtagaat	gagctctgagg	aggcttttcc	gtagacaagg	120
cgactctaac	acgattcttt	gccttccact	ttatccttcc	gttcatcatc	ttggcactaa	180
cagcgggtcca	cctattattc	ctacacgaaa	cagggtccaa	caatccctct	ggaatcccat	240
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tactttcttac	cctagcccta	acaaccctag	ttctattctc	gcccgactta	ctaggagacc	360
ctgacaacta	catccccgca	aatccattga	gcacccacc	ccacatcaaa	cccgaatggt	420
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<210> 146

<211> 472

<212> DNA

<213> *Selenarctos thibetanus*

<400> 146

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caaccctaac	acgattcttt	gccttccact	ttatccttcc	gttcatcatc	ctagcactag	180
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ccaactcgga	caaaatccca	tttcacccat	actatacaat	taaagacgcc	ctaggcgccc	300
tactttctcat	cctagcccta	gcaactctag	tcctattctc	gcccgactta	ctaggagacc	360
ctgataacta	tacccccgca	aaccactga	gcacccacc	ccacatcaaa	cccgaatgat	420
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<210> 147

<211> 472

<212> DNA

<213> *Ailurus fulgens*

<400> 147

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caactctaac	tcgattcttc	gccttccact	tcattcttcc	atztatcatt	gcaacactag	180
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tactccttat	cctaattctc	atgacattag	tactattctt	acctgacttg	cttgggtgatc	360

ctgataacta	tattcccgc	aacccattaa	gcacaccacc	ccatattaaa	cctgagtgg	420
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<210> 148

<211> 472

<212> DNA

<213> *Felis catus*

<400> 148

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ccaccctaac	acgattcttt	ggcttccact	tcattcttcc	attcattatc	tcagccttag	180
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ccgattcaga	caaaatccca	ttccacccat	actatacaat	caaagacatc	ctaggcttcc	300
tagtactagt	tttaacactc	atactactcg	tcctatcttc	accagacctg	ctaggagacc	360
cagacaacta	catcccagcc	aaccctttaa	atacccttcc	ccatattaaa	cctgaatgat	420
acttcctatt	cgcatacgca	attctccgat	ccatccctaa	caaactaggg	gg	472

<210> 149

<211> 472

<212> DNA

<213> *Canis familiaris*

<400> 149

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caaccctaac	acgattcttt	gcattccatt	tcattcttcc	tttcatcatt	gcagctctag	180
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cagactcaga	caaaattcca	tttcaccctt	actacacaa	caaggatatt	ctaggagcct	300
tactcttact	cctaattccta	atatcactag	ttttatcttc	acctgacctt	ttaggagacc	360
cagataacta	cacccctgca	aaccccttaa	acacccctcc	acatattaaa	cctgagtgat	420
attttctatt	cgcctatgct	atcctacgat	ccatttctaa	taaattagga	gg	472

<210> 150

<211> 472

<212> DNA

<213> *Talpa europaea*

<400> 150

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cgacactcac	acgattcttc	gccttccact	tcattctgcc	atttattatt	gcggcactag	180
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taatccta	tatagctcta	tcattcattag	tattatcttc	acctgacctt	ctaggagacc	360
cagacaatta	catcccggca	aacccgctaa	acacaccacc	ccatattaaa	cccgaatgg	420
acttcctatt	tgcatacgcc	atcctacgat	caatttctaa	taaattagga	gg	472

<210> 151

<211> 472

<212> DNA

<213> *Glaucomys sabrinus*

<400> 151

taccctgagg	acaaatatct	ttctgaggag	ccaccgtcat	caccaacctt	ctctcagcta	60
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ctaccctaac	ccgatttttt	gcatttcatt	ttgtcctccc	ttttattatt	gctgccctag	180
ccataatcca	tctactcttt	ttacacgaaa	caggatccaa	taacccatca	ggactaatct	240
ctgactcaga	taaaatccca	ttccaccctt	atttctcaat	taaagacacc	ctaggattct	300
taatcctcat	cttaatcttc	ataaccctag	ttctcttcac	ccctgatctt	ctaggagacc	360
cagacaacta	taccccagcc	aaccctactca	acaccctctc	ccacatcaaa	ccagaatgat	420
actttctatt	tgcatacgca	attctacgat	ctattccaaa	taaactagga	gg	472

<210> 152

<211> 472

<212> DNA

<213> *Glaucomys volans*

<400> 152

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ttccttatat	tggtagaaca	cttgtagaat	gaatctgagg	gggcttctct	gttgataaag	120
ctaccttaac	ccgattcttt	gcatttcact	tcattcttcc	ttttatcatt	gccgctctag	180
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ctgactcaga	caaaatccca	ttccaccctt	acttctcaat	taaagatacc	ctaggattct	300
taatccttat	cttaatcttc	ataaccctag	ttctcttcac	cccggatctt	ctaggagacc	360
cagacaacta	tactccagcc	aaccctactca	acggcctctc	ccatatcaag	ccagagtgat	420
actttctatt	tgcgtatgca	attctacgat	ctatcccaaa	taaactagga	gg	472

<210> 153

<211> 472

<212> DNA

<213> *Hylopetes phayrei*

<400> 153

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ctaccctaac	ccgattcttc	gcattccact	ttgtgctgcc	ctttattatt	gcagcactag	180
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ccgattcaga	caaaatccca	tttcacccat	actatttcaat	taaagatctc	ctaggcgccc	300
ttattcttct	cctaattctt	ataaaccttag	tactattttc	ccccgatctt	ttaggagacc	360
ctgacaacta	cacccccgcc	aaccctactta	acaccctctc	tcatattaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcctacgat	ctattcccaa	taaattagga	gg	472

<210> 154

<211> 472

<212> DNA

<213> *Petinomys setosus*

<400> 154

taccatgagg	acaaatatcc	ttctgagggg	ctaccgttat	tacaaaccta	ctatctgcc	60
------------	------------	------------	------------	------------	-----------	----



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ctaccctaac	cggattcttc	gcattccact	ttgtgctgcc	ctttattatt	gcggcactgg	180
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cggattcaga	caaattccca	tttcacccat	actattcaat	taaagatctc	ctagggggccc	300
ttattcttct	cctaactctt	ataaaccttag	tactattctc	ccccgatctt	ttaggagacc	360
ctgacaacta	cacccccgcc	aaccactta	acacccctcc	tcatattaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcctacgat	ctattcccaa	taaattagga	gg	472

<210> 155

<211> 472

<212> DNA

<213> *Belomys pearsonii*

<400> 155

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caaccctaac	acgattcttc	gcattccact	ttatcttacc	atztatcgta	gcagcccttg	180
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taatcttcgg	ccttatattt	acaaccctta	ttctattcgc	ccctgatctc	ctaggagacc	360
ctgacaacta	tactccggcc	aatccactta	acacccctcc	ccacattaaa	ccagaatgat	420
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<210> 156

<211> 472

<212> DNA

<213> *Pteromys momonga*

<400> 156

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tcccttatat	cggcaccaac	cttggttgaat	ggatctgagg	tgggtttctca	gttgataaag	120
ctaccctaac	acgattcttt	gcattccact	ttgtctctcc	cttcattatc	gcagccctag	180
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cggacaacta	taccccagcc	aacccctca	acactcccc	tcatatcaaa	ccagagtgat	420
atttcttatt	cgcataatgct	atcttacgat	ctatccctaa	caaactaggc	gg	472

<210> 157

<211> 472

<212> DNA

<213> *Galagoides demidoff*

<400> 157

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ctacccttac	cggattcttt	gctttccact	ttatctctcc	atztatcatt	acagcaatag	180
tcataatcca	cctcctattc	cttcacgaaa	caggatcaaa	caacccctca	ggacttccat	240
cagactcaga	caaaatcccc	tttcacccct	attacataat	caaggatctc	ctaggactga	300
ttattctctt	actaactctg	ttctccctag	taatattctc	cccggacctg	ctaggagacc	360
ctgacaacta	caccccgcgc	aacccctaa	acacccacc	acatatcaaa	ccagagtgat	420
atttcttatt	tgccacgccc	atcctacgat	ctatccccaa	caaactagga	gg	472

<210> 158

<211> 472

<212> DNA

<213> *Perodicticus potto*

<400> 158

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cagaatcaga	caaaatcccc	ttccaccctt	actacaccac	caaagactta	ctaggagcca	300
tctttcttct	actaatccta	ctcaccctag	tcctattctc	cccagacctt	ttaggagacc	360
ctgacaacta	caccccagcc	aaccccctaa	acaccccacc	acatatcaaa	ccagaatggt	420
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<210> 159

<211> 472

<212> DNA

<213> *Galago matschiei*

<400> 159

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cagacaattt	tacccccgct	aatcccttaa	acaccccacc	acacatcaaa	ccagaatgat	420
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<210> 160

<211> 472

<212> DNA

<213> *Galago moholi*

<400> 160

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cagacaatta	tatccctgcc	aaccccctaa	acaccccacc	acatattaaa	ccagaatgat	420
acttcttatt	tgcttacgcc	atccttcgat	caatcccaaa	caaactagga	gg	472

<210> 161

<211> 472

<212> DNA

<213> *Otolemur garnettii*

<400> 161

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<210> 162

<211> 472

<212> DNA

<213> *Loris tardigradus*

<400> 162

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atttcctatt	cgcatacgca	atcctacgat	caatcccaaa	taaactaggt	gg	472

<210> 163

<211> 472

<212> DNA

<213> *Nycticebus coucang*

<400> 163

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<210> 164

<211> 472

<212> DNA

<213> *Mus musculus*

<400> 164

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cagacaacta	cataccagct	aatccactaa	acaccccacc	ccatattaaa	cccgaatgat	420
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<210> 165

<211> 472

<212> DNA

<213> Gorilla gorilla

<400> 165

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<210> 166

<211> 472

<212> DNA

<213> Homo sapiens sapiens

<400> 166

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<210> 167

<211> 472

<212> DNA

<213> Dugong dugong

<400> 167

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cagacaacta	cacaccagcc	aacccactaa	acacccctcc	ccacattaaa	ccagaatgat	420
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<210> 168

<211> 472

<212> DNA

<213> *Elephas maximus*

<400> 168

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caaccttaaa	ccgattcttc	gccttccatt	tcctccttcc	atttactata	gttgcactag	180
caggagtga	cctaaccctt	cttcacgaaa	caggctcaaa	caaccacta	ggtctcactt	240
cagactcaga	caaaattccc	tttcaccctg	actatactat	caaagacttc	ctagggttac	300
ttatccta	tttactcctt	ctactcttag	ccctactatc	tccagacata	ctaggagacc	360
ctgacaacta	cataccagct	gatccactaa	atactccctt	acacatcaaa	ccagagtgat	420
acttcccttt	tgcttacgcc	attctacgat	ctgtacccaa	caaactagga	gg	472

<210> 169

<211> 472

<212> DNA

<213> *Afropavo congensis*

<400> 169

tcccatgagg	ccaaatatca	ttctgagggg	caactgtcat	cacaaaccta	tactcagcaa	60
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caaccctcac	ccgattcttc	gccctacact	ttcttctccc	ctttcttaatt	gcgggaatta	180
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ccaattcaga	taaaatccca	ttccaccctg	actactccct	caaagatatc	ctaggcttag	300
cactcatgct	cattccattc	ctgacactag	ccctactctc	ccccaacctc	ttagggtgatc	360
cagaaaactt	cacccagca	aaccctctag	taactccccc	acacattaaa	ccagaatggt	420
atttcttatt	tgcttatgcc	atccttcgct	caatcccaaa	caaactagga	gg	472

<210> 170

<211> 472

<212> DNA

<213> *Pavo muticus*

<400> 170

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caaccctcac	ccgattcttc	gccctacact	ttctcctccc	ctttgtaatc	gcaggaatta	180
caattatcca	cctcacattc	ctccatgaat	caggctcaaa	taatccacta	ggcatctcat	240
ccaactcaga	caaaattccg	ttccaccctt	actactccct	caaagatatc	ctaggcttaa	300
ctcttatatt	tatccattc	ctaacactag	ccctattctc	ccccaatctc	ctagggtgacc	360
cagaaaactt	tacccagca	aaccccttag	taaccccccc	gcacattaaa	ccagaatgat	420
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<210> 171

<211> 472

<212> DNA

<213> *Tragopan blythii*

<400> 171

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caaccctcac	tcgattcttc	gccctacact	tcctcctccc	atttgtaatc	gcaggaatta	180
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cactcatgct	cacccccctc	ctcacactag	cattattctc	accgaacctt	ttaggcgacc	360
cagaaaactt	caccccagca	aaccactag	taaccctctc	ccatatcaaa	ccagaatgat	420
acttcctatt	cgcttatgcc	atcctgcgct	caatcccaaa	caaacttggg	gg	472

<210> 172

<211> 472

<212> DNA

<213> Tragopan satyra

<400> 172

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cagaaaactt	caccccagca	aaccactag	taaccctctc	ccatattaaa	ccagaatgat	420
acttcctatt	cgcttacgcc	atcctacgct	caatcccaaa	caaacttgga	gg	472

<210> 173

<211> 472

<212> DNA

<213> Tragopan caboti

<400> 173

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caacccttac	ccgattcttt	gccctacact	tcctcctccc	atttgtaatc	gcaggaatta	180
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cactcatact	cactcctctc	ctcacactag	ccttattttc	accaaacctt	ctagggtgacc	360
cagaaaactt	caccccagca	aaccattgg	taactcctcc	ccatatcaag	ccagaatggt	420
atttcctggt	cgcttatgcc	atcctacgct	caatcccaaa	caaactcgga	gg	472

<210> 174

<211> 472

<212> DNA

<213> Tragopan temminckii

<400> 174

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cactcatact	cactcccctc	ctcacactag	ccttattttc	accaaacctt	ctagggtgatc	360
cagaaaactt	caccccagca	aaccactag	taactcctcc	ccatatcaaa	ccagaatgat	420

atthttctgtt cgtttatgcc atcctgcgct caattccaaa caaactcgga gg

472

<210> 175

<211> 472

<212> DNA

<213> Argusianus argus

<400> 175

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ccacccttac	cggattcttt	gctctacatt	tcctcctacc	cttcgtaatc	gcaggaatca	180
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cactcatact	cgtccattc	cttactactaa	ccctatttcta	cccaaaccta	ctaggtgacc	360
cagaaaactt	caccccagca	aaccattag	taactccacc	ccacatcaag	ccagaatgat	420
acttcttatt	cgcctatgcc	atcctacgct	caatcccaaa	caaactagga	gg	472

<210> 176

<211> 472

<212> DNA

<213> Catreus wallichi

<400> 176

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caactctcac	cggattcttc	gccctgcact	tcctccttcc	cttcgtaatt	gcaggaatca	180
ccatcaccca	tctcatattc	ctacatgaat	caggctcaaa	taacccctta	ggcatctcat	240
ctaactccga	caaaatccca	ttccacccat	actactccct	caaagatata	ctaggcctag	300
cacttatatt	caccccatc	ctaactactag	ccctatttctc	accaaactctt	ctgggcgacc	360
cagaaaactt	caccccagca	aatccattag	taacccacc	acacattaata	ccagaatggt	420
acttcttatt	tgccctacgct	atcctacgct	caatcccaaa	taaactcgga	gg	472

<210> 177

<211> 472

<212> DNA

<213> Crossoptilon crossoptilon

<400> 177

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caaccctcac	cggattcttc	gccctacact	tcctcctccc	cttcgtaatt	gcaggaatta	180
ctgtcaccca	cctcatattc	ctacacgaat	caggctcaaa	caaccacta	ggcatctcat	240
ctaattccga	caaaatccca	ttccacccct	actactccct	caaagacatc	ctaggcctag	300
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cagagaactt	caccccagca	aaccactag	taacccccc	tcacattaata	ccagaatgat	420
acttcttatt	tgccctatgct	atcctgcgct	caatcccaaa	taaactcgga	gg	472

<210> 178

<211> 472

<212> DNA

<213> *Syrmaticus reevesi*

<400> 178

tcccatgagg	acaaatatca	ttttgagggg	caaccgtcat	cacaaattta	ttctcagcaa	60
tcccctacat	cggacaaacc	ctagtagagt	gggcctgagg	aggattctca	gttgacaacc	120
caaccctcac	cggattcttc	gcccttcaact	ttctcctacc	cttcgtaatc	acaggaatca	180
ccatcacaca	tcttatgttc	ctacacgaat	caggctcaaa	caacccta	ggcatttcat	240
ctaactctga	caaaatcccc	tttcacccat	actactctct	caaagatatc	ctaggcctag	300
cacttatact	caccccatc	ctcacactag	ccctattctc	acctaacctg	ctaggcgacc	360
cagaaaactt	caccccagca	aaccactag	taaccctcc	tcacattaaa	ccagaatgat	420
acttctatt	tgccctacgcc	atcctacgct	caatcccaaa	caaactgggg	gg	472

<210> 179

<211> 472

<212> DNA

<213> *Bambusicola thoracica*

<400> 179

tcccatgggg	ccaaatatcc	ttttgagggg	ctaccgtcat	cacaaattta	ttctcagcaa	60
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caactctcac	cggattcttc	gccttacact	tcctactccc	cttcgtaatc	gcaggaatta	180
ccattatcca	cctcacattc	ttacacgaat	caggatcaaa	caaccccccta	ggcatctcat	240
ctaactccga	caaaatccca	ttccacccat	actactcctt	taaagacatt	ctcggcctag	300
cccttatatt	catcccattc	ctgacactag	ccctattctc	ccctaacctc	ctaggagacc	360
cagaaaactt	caccccagca	aaccactag	taaccctcc	acacatcaaa	ccagagtggg	420
acttctatt	cgcgtatgct	atcgtacgat	caatcccaaa	caaactcgga	gg	472

<210> 180

<211> 472

<212> DNA

<213> *Francolinus francolinus*

<400> 180

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ttccctacat	tggaacaaacc	ttagtagagt	gagcctgagg	gggattctca	gtagataacc	120
caaccctcac	cggattcttc	gccttacact	tccttctccc	cttcgtaatt	gcaggaatca	180
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ctgactctga	caaaatccca	ttccacccat	actacacct	caaagacatc	ctaggcctaa	300
cccttatatt	catccctctc	cttacactag	ccctattctc	ccccaacctc	ctaggcgacc	360
ccgaaaactt	caccccagca	aaccactag	taactcctcc	ccacatcaaa	ccagaatgat	420
acttctatt	tgccctacgcc	atcctacgct	caatcccaaa	caaactcgga	gg	472

<210> 181

<211> 472

<212> DNA

<213> *Ithaginis cruentus*

<400> 181

taccatgagg	acaaatatca	ttctgaggag	ccactgtaat	cacaaacctc	ctctcagcaa	60
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ttccctacat	cggccaaact	ctggtagaat	gagcttgagg	aggattttca	gtagacaacc	120
caaccctcac	cggattcttc	gccctacact	ttctcctccc	cttcgcaatc	gcaggaaatta	180
ctgtcatcca	ccttacactc	ctccacgaat	caggttcaaa	taacccta	ggcatctcat	240
ctaactctga	caaaatccca	tttcacccat	actactccct	caaagacatc	ctaggcctag	300
cacttatact	catccccctt	cttacactag	tcctattttc	ccccaacctc	ctaggagatc	360
cagaaaactt	tagtccagca	aaccccctag	taacccacc	ccatattaaa	ccagaatgat	420
acttcttatt	tgcctacgct	attctacgct	caatcccaa	taaacttga	gg	472

<210> 182

<211> 472

<212> DNA

<213> *Anthropoides paradisea*

<400> 182

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ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatt	atgggcctca	180
ccctaatacca	cctcaccttc	cttcacgagt	cgggtcmeta	caaccccccta	ggcattgtat	240
caaactgcga	taaaatccca	ttccacccct	atttttcctt	aaaagatatc	ctaggattca	300
tactcatact	actcccactc	ataaccctag	ctctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
atttcttatt	tgcgtatgcc	atcctacggt	caattccaaa	caaactagga	gg	472

<210> 183

<211> 472

<212> DNA

<213> *Anthropoides virgo*

<400> 183

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tcccatatat	cggccaaacc	cttgtagaat	gagcttgagg	gggtttttca	gtagataatc	120
ccacattaac	tcgattcttc	acgttacact	tcctccttcc	attcataatt	atgggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggtcmeta	caaccccccta	ggcatcgtat	240
caaactgcga	taaaatccca	ttccacccct	atttttcctt	aaaagatatc	ctaggattca	300
tactcatact	actcccactc	ataaccctag	ctctattctc	accaaactta	ctaggagacc	360
cagaaaactt	ccccccagca	aatcccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
atttcttatt	tgcatacgcc	atcctacggt	caattccaaa	caaactagga	gg	472

<210> 184

<211> 472

<212> DNA

<213> *Grus antigone antigone*

<400> 184

taccatgagg	acaaatatca	ttttgagggg	ctacagtcac	caccaatctc	ttctcagccg	60
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ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggtcmeta	caaccccccta	ggcatcgtat	240
caaactgcga	taaaatccca	ttccacccct	actttttcctt	aaaagatatc	ctaggattca	300
cactcatact	acttccactc	ataaccctag	ccctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	ccatatcaag	ccagaatgat	420
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<210> 185

<211> 472

<212> DNA

<213> *Grus antigone gillae*

<400> 185

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ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatc	ataggcctca	180
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caaaactgcga	taaaatccca	ttccacccct	acttttcctt	aaaagatatc	ctaggattca	300
cactcatact	acttccactc	ataaccctag	ccctattctc	accaaaccct	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	tcatatcaag	ccagaatgat	420
actttttatt	tgcatacgcc	atcctacggt	caatcccaaa	caaactagga	gg	472

<210> 186

<211> 472

<212> DNA

<213> *Grus antigone sharpei*

<400> 186

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ccacattaac	tcgattcttc	actttacact	tcctccttcc	cttcataatc	ataggcctca	180
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cagaaaactt	caccccagca	aaccccctag	tcacacctcc	ccatatcaag	ccagaatgat	420
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<210> 187

<211> 472

<212> DNA

<213> *Grus leucogeranus*

<400> 187

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cagaaaactt	cactccagca	aaccccctag	taacaccccc	acatatataa	ccagaatgat	420
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<210> 188

<211> 472

<212> DNA

<213> *Grus canadensis pratensis*

<400> 188

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ccacattaac	cggattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
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cagaaaactt	caccccagca	gaccccttag	tcacacctcc	ccatatcaaa	ccagaatgat	420
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<210> 189

<211> 472

<212> DNA

<213> *Grus canadensis rowani*

<400> 189

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cagaaaactt	caccccagca	aaccccttag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actTTTTtatt	tgccctacgcc	atcttacgct	caatcccaaa	caaactagga	gg	472

<210> 190

<211> 472

<212> DNA

<213> *Grus canadensis tabida*

<400> 190

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ccacattaac	cggattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaattcca	cctcaccttc	cttcacgaat	cgggctcaaa	caacccccta	ggcattgtat	240
caaactgcca	taaaatccca	ttccaccctt	atTTTTcctt	aaaagatatc	ctaggggttca	300
tactcatact	acttccactc	ataaccctag	ctctatTTTc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccttag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actTTTTtatt	tgccctactcc	atcttacgct	caatcccaaa	caaactagga	gg	472

<210> 191

<211> 472

<212> DNA

<213> *Grus canadensis canadensis*

<400> 191

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ccacattaac	cggattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaattcca	cctcaccttc	cttcacgaat	cgggctcaaa	caacccccta	ggcattgtat	240
caaactgcca	taaaatccca	ttccaccctt	atTTTTcctt	aaaagatatc	ctaggggttca	300

tactcatact	acttccactt	ataaccctag	ctctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actttttatt	tgccctacgcc	atccttacgct	caatcccaaa	caaactagga	gg	472

<210> 192

<211> 472

<212> DNA

<213> Grus americana

<400> 192

taccatgagg	acaaatatca	ttttgagggg	ctacagttat	caccaatctc	ttctcagccg	60
tcccatacat	cggccaaacc	atcgtagaat	gagcttgagg	gggcttctct	gtagacaacc	120
ccacattaac	ccgattcttc	actttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	ctccacgaat	cgggctcaaa	caacccccta	ggcatcgtat	240
caaactgcga	taaaatccca	ttccaccctt	atttttcctt	aaaagacatc	ctaggattca	300
cactcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tgacacctcc	ccatattaag	ccggaatgat	420
actttttatt	tgcatacgcc	atcctacggt	caatcccaaa	caaactagga	gg	472

<210> 193

<211> 472

<212> DNA

<213> Grus grus

<400> 193

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tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	gggcttctca	gtagacaacc	120
ccacattaac	ccgattcttc	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggctcaaa	caacccccta	ggcatcgtat	240
caaactgcga	taaaatccca	ttccaccctt	atttttcctt	aaaagatatc	ctagggttca	300
tactcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccctctag	tcacacctcc	ccatattaag	ccggaatgat	420
actttttatt	tgcatacgcc	atcctccggt	caatcccaaa	caaactagga	gg	472

<210> 194

<211> 472

<212> DNA

<213> Grus monacha

<400> 194

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tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	aggcttctca	gtagacaacc	120
ccacattaac	tcgattcttc	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	ctccacgaat	cgggctcaaa	caacccccta	ggcatcgtat	240
caaactgcga	taaaattcca	ttccaccctt	atttttcctt	aaaagatatc	ctaggattca	300
tattcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	tcatattaaa	ccggaatgat	420
acttttctatt	tgcatacgcc	gtcctacggt	caatcccaaa	caaactagga	gg	472

<210> 195

<211> 472

<212> DNA

<213> *Grus nigricollis*

<400> 195

taccatgagg	acaaatatca	ttttgagggg	ctacagttat	caccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	aggcttctca	gtagacaacc	120
ccacattaac	tcgattcttc	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	ctccacgaat	ccggctcaaa	caaccccccta	ggcatcgtat	240
caaactgcga	taaaattcca	ttccaccctt	atTTTTcctt	aaaagatacc	ctaggattca	300
tattcatatt	acttccactc	ataaccctag	ctctattttt	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tcacacctcc	ccatattaag	ccggaatgat	420
actttctatt	tgcatacgct	atcctacggt	caatcccaaa	caaactagga	gg	472

<210> 196

<211> 472

<212> DNA

<213> *Grus japonensis*

<400> 196

taccatgggg	acaaatatcc	ttttgagggg	ctacagttat	caccaatctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	gggcttctca	gtagacaacc	120
ccacattaac	tcgattcttt	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	tctcactttc	ctccacgaat	ccggctcaaa	caaccccccta	ggcatcgtat	240
caaactgtga	taaaatcca	ttccaccctt	atTTTTcctt	aaaagatatc	ttaggattta	300
cactcatatt	acttccactc	ataaccctag	ccctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	ttacacctcc	ccatattaag	ccggaatgat	420
acttcttatt	tgcatacgct	attctgcggt	caatcccaaa	caaactagga	gg	472

<210> 197

<211> 472

<212> DNA

<213> *Ciconia boyciana*

<400> 197

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tcccctacat	cggccaaacc	ctcgtagaat	gggcctgagg	gggcttctcc	gtcgataacc	120
caacactaac	ccgattcttc	gccctacact	ttcttctccc	cttcgcaatc	gcaggcctca	180
ccctaatacca	cctcaccttc	cttcacgagt	ccggctcaaa	caaccccccta	ggcatcatct	240
caaactgcga	caaaattcca	ttccaccctt	acttctccct	caaagatatc	ctaggcctta	300
cactcctact	tctgccacta	accaccctgg	ccctattctc	acccaaccta	ctaggtgacc	360
cagagaactt	caccccagcc	aacccctag	tcacaccccc	tcacatcaag	ccagagtggg	420
acttctctct	tgcatacgcc	atcctacgct	ccatcccaaa	caaactagga	gg	472

<210> 198

<211> 472

<212> DNA

<213> *Rhea americana*

<400> 198

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------------	------------	------------	------------	------------	------------	----

tcccgtacat	cggacaaacc	ttggtagaat	gagcttgagg	gggggttttca	gtagacaacc	120
ctaccctaac	ccgattcttc	gccctgcact	tccttctccc	cttcctaata	gcaggcatta	180
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ctcactctga	caaaatccca	ttccacccct	acttctccct	aaaagatgcc	ctaggactag	300
ctctcatatt	tatcccgtc	ctaaccctag	ccttcttctc	acccaacctc	ctaggggacc	360
cagaaaactt	caccccagcc	aacccocctag	ttacaccccc	tcacatcaag	ccagaatgat	420
atttcctatt	cgcttacgcc	atcttacgct	ccatccccaa	caaactagga	gg	472

<210> 199

<211> 472

<212> DNA

<213> Anthracoceros albirostris

<400> 199

taccatgagg	gcaaatatca	ttctgaggcg	ccaccgtcat	caccaaccta	ttctcagcca	60
tcccatacat	cggccaaacc	ttagtagaat	gggcctgagg	gggattctcc	gttgacaacc	120
caaccctgac	acgattcttc	gccctacact	ttctcctccc	gttcataata	gcaggcctag	180
tcctaattca	cctggcatcc	ctccacgaat	cagggtcaaa	caaccoccta	ggcatcacat	240
ccaactgcga	caaaatccca	ttccacccat	actttgccct	aaaggacatc	ctaggattca	300
cagtaatact	cctcctccta	acctccctag	ccctcttctc	ccccaaccta	ctaggagacc	360
cagaaaactt	cacaccagca	aacccocctgg	taactcccc	ccatattaag	ccagaatggt	420
atttcctatt	cgcatatgcc	atcctacgct	caatccccaa	taaactagga	gg	472

<210> 200

<211> 472

<212> DNA

<213> Falco femoralis

<400> 200

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tcccatacat	cgggtcaaacc	ctagtcgagt	gggcctgagg	aggattttca	gtagacaata	120
caacactgac	ccgattcttc	gccctacact	tcctcctacc	attcctaata	gcagggtcca	180
ccttaattcca	cctcaccttc	ctacatgaat	cagggtcaaa	caaccoccta	ggaatcacat	240
caaactgcga	taaaatccca	ttccatccct	attactctct	caaagacctc	ctaggattca	300
tactcatata	cctcccccta	ataacccttag	ccctattcac	tcccaaccta	ctaggagacc	360
cagaaaactt	tacaccagca	aatccocctag	tcaccccc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcttacgcc	atcctacgct	caatccccaa	caaactagggt	gg	472

<210> 201

<211> 472

<212> DNA

<213> Falco verpertinus

<400> 201

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caacactaac	ccgattcttc	gccctacact	ttctcctacc	attcctaata	gcagggtcca	180
ccctaattcca	cctcaccttc	ctacacgaat	cagggtcaaa	caaccoccta	ggaatcacat	240
caaactgcga	caaaatccca	ttccatccct	actactctct	aaaagacctt	ttaggagtca	300
tactcatata	cctcccccta	ataacccttag	ccctattttac	cccaaactta	ctaggagacc	360
cagaaaactt	cacaccagca	aacccocctag	tcacaccccc	acacatcaaa	ccagaatgat	420
acttcctatt	tgcctacgcc	atcctacgct	caatccccaa	caaactgggt	gg	472

<210> 202

<211> 472

<212> DNA

<213> *Falco peregrinus*

<400> 202

taccctgagg	acaaatatca	ttctgaggag	ccacagtc	taccaaccta	ttctcagcaa	60
tcccatacat	cggccaaacc	ctagtcgaa	gagcttgagg	gggattttca	gtagacaacc	120
caacactgac	ccgattcttc	gccctacact	tcctacttcc	attcctaata	gcaggactca	180
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caaatgtcga	caaaatccca	ttccacccat	actactctct	caaagatatc	ctaggattta	300
tactcatata	cctgccccta	ataaccctag	ccctattttac	cccaaacctg	ctaggagacc	360
cagaaaactt	tacaccagca	aatcccttag	tcaccccccc	acacatcaaa	ccagaatgat	420
acttcctatt	tgcttacgcc	atcctacgct	caatccccaa	taaactgggc	gg	472

<210> 203

<211> 472

<212> DNA

<213> *Falco sparverius*

<400> 203

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tcccatacat	cggccaaacc	ctagtcgaa	gggcctgagg	aggatttctca	gtagacaacc	120
caacactaac	ccgcttcttc	gccctacact	tcctcctacc	attcctaata	gcagggtcta	180
ccttaatacca	cctcaccttc	ctacatgaat	cagggttcaa	caaccccccta	ggagtcacat	240
caaaactgtga	caaaatccca	ttccacccct	actactctct	caaagacctc	ctaggtttta	300
tgctcatact	cctgccccta	atagccctag	ccctatttcac	cccaaacctg	ctaggagacc	360
cagaaaactt	cacaccagcg	aaccccttag	tcacccccacc	acacatcaaa	ccagaatgat	420
acttcctatt	tgcttacgct	attctacgct	caattccccaa	caaattaggc	gg	472

<210> 204

<211> 472

<212> DNA

<213> *Aythya americana*

<400> 204

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caaccctaac	tcgattcttc	gccatccact	tcctactacc	cttcctaata	gcagggaatca	180
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cagaaaactt	taccccagca	aaccactag	taacccccacc	ccacatcaaa	ccagaatgat	420
acttcctatt	cgcctacgcc	atcctgcgat	caatccccgaa	taaactagga	gg	472

<210> 205

<211> 472

<212> DNA

<213> *Smithornis sharpei*

<400> 205

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ccacccttac	ccgattcttc	tcccttcaact	tcctcctccc	atttatcatc	gcaagcctga	180
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ctaactccga	taaaatccca	ttccacccat	acttctccat	aaaagacatt	ctaggctttg	300
caatcatact	aacaccacta	ataaccctag	ccatattctc	tcctaacctc	ctaggagacc	360
cagaaaattt	cacaccgcc	aactccctcg	tcactccccc	tcatatcaaa	cccgaatgat	420
attttttatt	tgcatacgct	attctgcgat	caattccaaa	caaactagga	gg	472

<210> 206

<211> 472

<212> DNA

<213> *Vidua chalybeata*

<400> 206

tgccatgagg	acaaatatca	ttctgagggtg	ccacagtaat	cacaaaccta	ttctcagcaa	60
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caacactcac	ccgattcttc	gccctacact	tccttctacc	cttcgtcatt	gcaggactca	180
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cagactgtga	caaaattcca	ttccacccat	actacaccac	aaaggacatc	ctaggcttcg	300
tactaatatt	cgcactcccta	gcttccatag	ccctattctc	cccaaacata	ctaggagatc	360
cagaaaactt	cactccggcc	aacccccctaa	tcacaccacc	acatatcaaa	cccgaatgat	420
acttcttatt	cgcctacgcc	atcctacgat	ccatcccaaa	caaactagga	gg	472

<210> 207

<211> 472

<212> DNA

<213> *Chrysemys picta*

<400> 207

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caaccttaac	ccgatttttt	acccttcaact	tccttctacc	atttacaatc	atagggtctaa	180
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cagataactt	cacaccggcc	aacccccctat	ctaccccacc	acatattaaa	ccagaatgat	420
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<210> 208

<211> 472

<212> DNA

<213> *Emys orbicularis*

<400> 208

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caaccctaac	ccgattcttc	actttccatt	tcttactgcc	atttaccatt	ataggcctaa	180



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cagataactt	tacaccagct	aaccgcgtat	ccacccacc	acatattaag	ccagagtgat	420
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<210> 209

<211> 472

<212> DNA

<213> *Chelonia mydas*

<400> 209

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caaccctaac	ccgattcttc	accttccact	tcctattacc	atttgccatt	accggcctta	180
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cagacaactt	cacaccagcc	aaccctctat	ccactcctcc	ccacatcaaa	ccagaatgat	420
acttcctatt	tgcctacgca	atcctacgat	caatcccaaa	caaactaggc	gg	472

<210> 210

<211> 472

<212> DNA

<213> *Eumeces egregius*

<400> 210

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caaccctcac	ccgatttttc	acattccact	tccttctgcc	attcgctatt	ataggggcct	180
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cagaaaattt	taccccagca	aaccccttgg	taacaccccc	acatattaag	ccagagtgat	420
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<210> 211

<211> 472

<212> DNA

<213> *Antelope cervicapra*

<400> 211

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caacccttac	ccgatttttc	gccttccact	ttatctctcc	atttatcatt	gcagccctta	180
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cagacgcaga	caaaattcca	ttccacccct	actacactat	caaagatatc	ctaggagctc	300
tactattaat	tttaaccctc	atgcttctag	tcctattctc	accggacctg	cttggagacc	360
cagacaacta	tacaccagca	aacccactta	atacaccccc	acatatcaag	cccgaatgat	420
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<210> 212

<211> 25  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Universal primer for amplifying a fragment of cytochrome b  
 gene of animal species in polymerase chain reaction  
 <400> 212  
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<210> 213  
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<210> 214  
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 <400> 214  
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<210> 215  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Primer for amplifying a fragment of cytochrome b  
 gene of animal species in polymerase chain reaction  
 <400> 215

atgcaaataag gaagtatcat tc

22

<210> 216

<211> 472

<212> DNA

<213> Aepyceros melampus

<220>

<221> n

<222> 104; 107; 128; 368; 369; 431;

<223> unknown base

<400> 216

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caaccctnac	ccgatttttc	gcyttccact	tcacatctcc	attcatcatt	gcggcactag	180
ccatagtcca	cctactcttt	cttcacgaaa	caggatctaa	caaccctaca	ggaatcttat	240
cagattcaga	taaaattcca	ttccaccctt	actatactat	traagacatc	ctaggaatcc	300
tattaataat	tctagtccta	atactcctag	tactattcat	acccgaccta	ctaggagacc	360
cagacaanna	catccccgca	aaccctactca	acacccctcc	ccacatcaag	cccgaatggt	420
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<210> 217

<211> 472

<212> DNA

<213> Oreotragus oreotragus

<220>

<221> n

<222> 431

<223> unknown base

<400> 217

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caacccttac	ccgattcttt	gccttttact	tcacatcttc	atttatcatc	gcagccctag	180
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tattactaat	tctagcttta	ttactcttag	tattattcac	acctgacctc	cttgagagacc	360
cagataacta	caccccagca	aaccctactca	acactccccc	tcacattaaa	ccagaatggt	420
atttntctatt	ngcatatgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 218

<211> 472

<212> DNA

<213> Addax nasomaculatus

<400> 218

tgccatgagg	acaaatatca	ttctgaggag	caacagtcac	caccaacctt	ctctcagcaa	60
tcccatatat	cggcacagac	ctggctcgaat	gaatctgagg	aggattctcc	gtagacaaaag	120
caacccttac	ccgatttttc	gccttccact	ttattctccc	ctttattatc	gctgcccttg	180
ccatagtcca	tctactcttt	ctccacgaaa	caggctccaa	caaccctaca	ggaatctcct	240
cagacacaga	caaaatccca	ttccaccctt	actataccat	taaagacatc	ttaggcgccc	300
tactactaat	tctagtccct	atactactag	tattattcac	acccgaccta	cttggagacc	360
cagacaatta	tacccagca	aatccactta	gcacgcccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatatgca	attctacgat	caatcccca	caaactagga	gg	472

<210> 219

<211> 472

<212> DNA

<213> Oryx damah

<400> 219

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tcccatatat	cggcacaaat	ctagtccgaat	gaatttgagg	gggattctcc	gtagacaaaag	120
caaccctcac	ccgatttttc	gccttccact	ttattctccc	ttttattatc	gctgcccttg	180
ccatagtcca	cctactcttt	ctccacgaaa	caggctccaa	caaccctaca	ggaatcacct	240
cagacacaga	caaaattccg	ttccaccctt	attataccat	taaagatatc	ttaggcgccc	300
tactactaat	cctagccctt	atggtgctag	tattattcgc	acccgaccta	cttggagacc	360
cagataatta	tacaccagca	aatccactta	acacaccccc	tcacatcaaa	cccgaatgat	420
atttcctatt	tgcatatgcg	atcttacgat	caatcccca	caaactagga	gg	472

<210> 220

<211> 472

<212> DNA

<213> Hippotragus equinus

<400> 220

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caaccctcac	ccgattcttc	gccttccact	ttattcttcc	ctttatcatc	actgcccttg	180
ccatagtaca	cctactcttt	ctccatgaga	caggctccaa	caaccccaca	ggaatttgat	240
cagactccga	taaaacccca	ttccaccctt	actacaccat	taaagacatt	ctaggcgccc	300
tactactaat	tctagccctc	atactactag	tactattcgc	acccgaccta	cttggagacc	360
cagacaacta	tgccccagca	aacccactca	acacggcccc	tcacattaaa	cccgaatgat	420
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<210> 221

<211> 472

<212> DNA

<213> Alcelaphus buselaphus

<400> 221

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caacccttac	ccgatttttc	gccttccact	tcattcttcc	attcatcatt	gcagcccttg	180
ccatagttca	cctcttattc	ctccacgaaa	caggatctaa	caaccccaca	ggaatctcat	240

cagacgcaga	taaaatccca	ttccaccct	actatacaat	caaggacatt	ctaggcgccc	300
tattactaat	cctagccctc	atactactag	tactattcgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccg	aaccactta	acacaccccc	tcacatcaag	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 222

<211> 472

<212> DNA

<213> *Sigmoceros lichtensteinii*

<400> 222

tgccatgagg	acaaatatca	ttctgagggg	caacagtc	caccaatctc	ctctcagcaa	60
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caacccttac	ccgatttttt	gccttccact	tcattctccc	attcatcatt	gcagcccttg	180
ccatagttca	cctcttattc	ctccacgaaa	caggatctaa	caaccccaca	ggaatctcgt	240
cagacgcaga	taaaatccca	ttccaccct	actatacaat	caaggacatt	ctaggcgccc	300
tattactaat	tctagccctc	atactactag	tactattcgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccg	aaccactta	acacaccccc	tcacatcaag	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 223

<211> 472

<212> DNA

<213> *Beatragus hunteri*

<400> 223

tgccatgagg	acaaatatca	ttctgaggag	caacagtc	caccaacctc	ctctcagcaa	60
ttccatatat	tggtagaaac	ctagtcgaat	gaatctgagg	aggcttctca	gtagacaaag	120
caaccctcac	ccgatttttt	gccttccact	ttattctccc	atttatcatt	acagcccttg	180
ccatagtcca	cctcttattt	ctccacgaaa	caggatctaa	caaccccaca	ggaatctcgt	240
cagatgcaga	taaaattcca	ttccaccct	actacacat	caaagacatc	ctaggcgccc	300
tactactaat	tctagccctc	atattactag	tactatttgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccgca	aaccactta	atacaccccc	tcacatcaaa	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 224

<211> 472

<212> DNA

<213> *Damaliscus lunatus*

<400> 224

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ttccatacat	cggcaciaat	ctagtcgaat	ggatctgagg	gggcttctca	gtagacaaag	120
ccaccctcac	ccgattcttt	gccttccact	tcattctccc	atttatcatc	gtagctcttg	180
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cagatgcgga	caaaatccc	tttcaccct	actacactat	caaagacgcc	ctaggggccc	300
tactactaat	tctagccctc	atactactag	tactatttgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccttgca	aaccactca	acacgcccc	tcacatcaag	cccgaatgat	420
atttcctatt	cgcatacgca	atcctacgtt	cgatccccaa	cgagctagga	gg	472

<210> 225

<211> 472

<212> DNA

<213> *Connochaetes taurinus*

<400> 225

taccatgagg	acaaatatcc	ttttgaggag	caacagtcac	caccaacctc	ctctcagcaa	60
tcccatacat	tggcactaac	ctagtcgaat	gaatctgagg	gggatttctca	gtagacaaaag	120
caacccttac	ccgatttttc	gccttccact	tcattcctcc	atztatcatc	acagcccttg	180
ctatagtcca	tctcctattc	ctccacgaaa	caggatctaa	caatcccaca	ggaatttcat	240
ccgacaccga	taaaatccca	ttccccccct	attacaccat	caaagacatc	ctaggcgctc	300
tattactaat	tctagcccta	atactactag	tactattcgc	gcccgattta	cttgagagacc	360
cagacaacta	cacccccgca	aatccactca	acacaccccc	tcacatcaag	cccgaatgat	420
acttcctatt	tgcatacgca	atcctacgat	caatccccaa	cggactagga	gg	472

<210> 226

<211> 472

<212> DNA

<213> *Bison bonasus*

<220>

<221> n

<222> 437

<223> unknown base

<400> 226

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caacccttac	ccgatttttc	gctttccact	ttatcctccc	atztatcatc	atagcaattg	180
ccatagtcca	cctactattc	ctccacgaaa	cagggttctaa	caatccaaca	ggaatttcct	240
cagacacaga	caaaattcca	ttccaccctt	actataccat	taaagacatc	ctaggagcct	300
tattactaat	tctaactcta	atactactag	tactattcgc	accggacctc	ctcggagacc	360
cagataacta	caccccagca	aatccactta	acacacctcc	ccacatcaaa	cccgaatgat	420
acttccttatt	tgcatangca	attttacggt	caatccccaa	caaactagga	gg	472

<210> 227

<211> 472

<212> DNA

<213> *Bos grunniens*

<400> 227

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ttccatacat	cggcacaaat	ttagtcgaat	ggatttgagg	tgggttctca	gtagacaaaag	120
caaccctcac	ccgatttctc	gctttccact	ttatcctccc	atztattatt	acagcaattg	180
ccatagtcca	cctactattc	ctccacgaaa	caggctccaa	caatccaaca	ggaatttcct	240
cagacgcaga	caaaattcca	tttcaccctt	actataccat	taaagacatc	ttaggagcct	300
tattactaat	tctagcccta	atacttctgg	tactattcac	acccgacctc	ctcggagacc	360
cagacaacta	caccccagca	aatccactca	acacacctcc	ccacatcaaa	cccgaatgat	420
acttccttatt	tgcatacgca	attttacgat	caatccccaa	taaactagga	gg	472

<210> 228

<211> 472

<212> DNA

<213> *Bos tragocamelus*

<400> 228

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tcccatacat	cggcaciaaac	ctagttgaat	gaatctgagg	cgggttctca	gtagacaaag	120
caaccctaac	cggattcttc	gctttccact	ttatcctccc	attcatcatt	gcagccctcg	180
caataatcca	tctactcttc	ctccatgaaa	caggggtctaa	caatccaaca	ggaatttcat	240
cagacgcaga	taaaatccca	tttcacccct	actacactat	taaagacatt	ctaggagccc	300
tactacttat	tctagcccta	ataatactag	tactattcgc	acccgacctc	ctcggagacc	360
cagacaacta	caccccagca	aaccactta	gcacacctcc	ccatattaag	cccgaatggg	420
atttcctggt	cgcatacgca	attctacgat	caatccccaa	caaactagga	gg	472

<210> 229

<211> 472

<212> DNA

<213> *Bubalus bubalis*

<400> 229

tgccatgagg	acaaatatca	ttctgagggg	caacagtcac	caccaacctt	ctctcagcaa	60
tcccatacat	tgggtacaagt	ctgggtgaat	gaatttgagg	gggattctca	gtagacaaag	120
caaccctcac	cggattcttc	gcatttcact	tcctcctccc	attcattatc	gcaggacttg	180
caatagtcca	cctattatct	ctccacgaaa	caggatccaa	caacccaaca	ggaatctcat	240
cagacacaga	caaaatccca	ttccacccct	attacaccat	taaagacatc	ctaggcgccc	300
tactattaat	cctagcccta	atactattag	tactattcgc	acccgacctc	ctcggggacc	360
cagacaacta	caccccagca	aaccactca	acacacctcc	ccacatcaag	cctgaatggg	420
acttcctatt	cgcatacgca	atcttacgat	caatttcctaa	caaactagga	gg	472

<210> 230

<211> 472

<212> DNA

<213> *Bubalus mindorensis*

<400> 230

tgccatgagg	acaaatatca	ttctgaggag	caacagtcac	caccaacctt	ctctcagcaa	60
tcccatacat	tggcaciaaac	ctagttgagt	gaatttgagg	gggattctca	gtagacaaag	120
caaccctcac	cggattcttc	gcatttcact	tcctcctccc	attcattatc	gcagcacttg	180
caatagtcca	cctattatct	ctccacgaaa	caggatccaa	caacccaaca	ggaatctcat	240
cagacacaga	caaaatccca	ttccacccct	actacaccat	taaagacatt	ctaggcgccc	300
tgctattaat	cctagcccta	atactattag	tactattcac	acccgacctc	ctcggggacc	360
cagacaacta	caccccagca	aaccactca	acacacctcc	ccatatcaaa	cctgaatggg	420
acttcctatt	cgcatacgca	atcttacgat	cagtttcctaa	caaactagga	gg	472

<210> 231

<211> 472

<212> DNA

<213> *Tragelaphus angasii*

<400> 231

tgccatgagg	acaaatatca	ttctgaggag	caacgggtcat	cacaaacctc	ctatcagcaa	60
tcccatatat	tggcaccaac	ctagttgaat	gaatctgagg	aggcttctcg	gtagacaagg	120
caaccctaac	ccgatttttc	gccttccact	tcatacctccc	gtttattatt	acagcgctgg	180
ttatgggtcca	cctattattc	ctccatgaaa	caggatccaa	caacccaaca	ggaatctcat	240
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tactattaat	cctagcccta	atagtactag	tactattcac	acctgacctc	ctcggagacc	360
ccgacaacta	caccccagcg	aacccctca	atacacctcc	ccatatcaaa	cctgaatgat	420
atttcctgtt	cgcatatgca	atcctacgat	ctatccccaa	caagctagga	gg	472

<210> 232

<211> 472

<212> DNA

<213> *Tragelaphus eurycerus*

<400> 232

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tcccttatat	tggcaccagc	ctagtcgaat	gaatctgagg	gggcttttca	gtagacaaag	120
caaccttaac	ccgattcttc	gccttccact	ttatccttcc	atttattatt	acagcactag	180
ccatggtaca	cctactattc	ctccacgaaa	caggatccaa	caacccaaca	ggratctcat	240
craacataga	caaaattcca	tttcaccctt	actacactat	taaggacatc	ctaggtgccc	300
tactgctaata	cctaactcta	atactcctag	tactattcgc	acccgacctt	ctcggagacc	360
ccgacaacta	caccccagca	aacccactca	acacaccacc	tcatatcaaa	cctgaatgat	420
acttcctatt	cgcatatgca	atcctacgat	caatccctaa	taaactagga	gg	472

<210> 233

<211> 472

<212> DNA

<213> *Nemorhaedus caudatus*

<400> 233

taccatgagg	acagatatca	ttctgagggg	caacagttat	taccaatctt	ctctcagcaa	60
tcccatatat	tggcacaaac	ctagtcgaat	gaatctgagg	gggatttctca	gtagacaaag	120
ctactctcac	ccgattcttc	gccttccact	tcatacctccc	atttatcatt	acagctactg	180
ctatagtcca	cctacttttc	ctccatgaga	taggatccaa	caaccccaca	ggtatcccat	240
cagacataga	caaaatccca	tttcaccctt	attatacaat	caaagatatt	ctaggcgcta	300
tactactaat	cctcaccctt	attttactgg	tattattcac	acctgactta	cttggagatc	360
cagacaacta	taccccagca	aacccactca	gcacaccccc	tcacattaaa	cctgaatgat	420
atttcctatt	tgcatatgca	atccttacgat	caatccccaa	taaactaggc	gg	472

<210> 234

<211> 472

<212> DNA

<213> *Pseudois nayaur*

<400> 234

tgccatgagg	acaaatatca	ttttgagggg	caacagtcac	caccaacctt	ctctcagcaa	60
tcccctatat	tggcacaaat	ctagtcgaat	ggatctgagg	gggatttctca	gtagacaagg	120
ccactctcac	ccgattcttc	gccttccact	tcatacctccc	atttattatt	atagccctcg	180
ccatagtcca	cctacttttc	ctccacgaaa	caggatctaa	caaccccaca	ggaatcccat	240
cagacacaga	caaaatccca	ttccaccctt	actacaccat	taaagatatt	ctaggcgctg	300



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cagacaacta	caccccagca	aaccactca	acacacccc	tcacattaaa	cccgagt	gat			420
acttcctatt	tgcatacgca	atcctacgat	caattcccaa	caagctagga	gg				472

<210> 235

<211> 472

<212> DNA

<213> *Ammotragus lervia*

<400> 235

tgccatgagg	acagatatca	ttctgagggg	caacagtc	cat	caccaac	ctt	ctctcagcaa	60
tcccatacat	tggcacagac	ctggtcgaat	gaatctgagg	gggatttctca	gtagacaaaag			120
ctactctcac	ccgattcttc	gccttccact	tcatcctccc	atttgtaatc	gcagccctag			180
ccatagtcca	cttacttttc	ctccatgaaa	cgggatccaa	caaccccaca	ggaatttcat			240
cagacgcaga	caaaatccca	ttccaccctt	actacaccat	caaagatatt	ctaggcgcca			300
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cagacaacta	taccccagca	aatccactca	acacacccc	tcatattaaa	cctgaatgat			420
acttcctatt	tgcatacgca	atcctacgat	caatccctaa	taaactggga	gg			472

<210> 236

<211> 472

<212> DNA

<213> *Capra falconeri*

<400> 236

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tcccatatat	tggcaciaaac	ctagtcgaat	gaatctgagg	aggatttctca	gtagataaaag		120
ccaccctcac	ccgattcttc	gccttccact	ttatcctccc	attcatcatt	gcaggcctcg		180
ccatagtcca	cctactcttc	ctccacgaaa	caggatccaa	caatcccaca	ggaattccat		240
cagacacaga	caaaatccca	tttcaccctt	actacaccat	taaagatatc	ctaggcgcca		300
tactactaat	tctcgcctg	atgctactag	tactattcac	acctgaccta	ctcggagacc		360
cagataacta	tatcccagca	aatccactca	atacacccc	tcatatcaaa	cctgagtggg		420
acttcctatt	tgcatacgca	atcctacgat	caatccccaa	caaactagga	gg		472

<210> 237

<211> 472

<212> DNA

<213> *Capra ibex*

<400> 237

taccatgagg	acaaatatca	ttctgagggg	caacagtc	cat	cactaac	ctt	ctctcagcaa	60
tcccatatat	tggcaciaaac	ctagtcgaat	gaatctgagg	gggatttctca	gtagacaaaag			120
ccactctcac	ccgattcttc	gccttccact	tcatcctccc	attcatcatt	acagccctcg			180
ccatagtcca	cctgctcttc	ctccacgaaa	cgggatccaa	caaccccaca	ggaattccat			240
cagacacaga	caaaatccca	ttccaccctt	actacaccat	taaagatatc	ttaggcgcca			300
tgctactaat	tcttgctcta	atattactag	tactattcac	acccgaccta	ctcggggacc			360
cagacaacta	taccccagca	aaccactca	atacacccc	tcacattaaa	cctgaatgat			420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaactaggg	gg			472

<210> 238

<211> 472

<212> DNA

<213> *Hemitragus jemlahicus*

<400> 238

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ctaccctaac	ccgattcttc	gctttccact	tcattctccc	attcatcatt	gcagccctcg	180
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cagatacaga	caaaatccca	tttcaccctt	actacaccat	taaagatatt	ttaggcgcca	300
tactactaat	tcttgtccta	atattactag	tactatttat	acccgaccta	cttggagacc	360
cagacaacta	taccccagca	aatccactca	acacaccccc	tcacattaaa	cctgaatgat	420
attttctatt	tgcatacgcg	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 239

<211> 472

<212> DNA

<213> *Rupicapra pyrenaica*

<400> 239

taccatgagg	acagatatca	ttctgaggag	caacagttat	taccaatctc	ctctcagcaa	60
tcccatacat	tggcatagac	ttagtcgagt	gaatctgagg	gggcttctcg	gtagacaaag	120
ctaccctcac	ccgattcttt	gcctttcact	tcattctccc	attcatcatt	gcagccttag	180
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tactactaat	cctcaccctt	atactactgg	tactatttac	acctgaccta	ctcggagacc	360
cagataacta	taccccagcg	aacccactca	acacaccccc	tcacatcaaa	cccgaatgat	420
atttcttggt	tgcatatgcg	atcctacgat	caattcccaa	caaacttgga	gg	472

<210> 240

<211> 472

<212> DNA

<213> *Rupicapra rupicapra*

<220>

<221> n

<222> 263; 338;

<223> unknown base

<400> 240

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ctaccctcac	ccgattcttt	gcctttcact	tcattctccc	atttatcatt	gcagccttag	180
cctagtcca	cctactcttc	ctccacgaaa	caggatctaa	caaccccaca	ggaatcccat	240
cagatgcgga	caaaatccca	tttnaccctt	attataccat	caaagacatt	ctgggcgcca	300
tactactaat	cctcaccctc	atactactag	tactattnac	acctgaccta	ctcggagacc	360
cagataatta	caccccagcg	aacccactca	acacaccccc	tcacattaaa	cccgaatgat	420
atttcttatt	tgcatatgca	attctacgat	caatccccaa	caaacttgga	gg	472

<210> 241

<211> 472

<212> DNA

<213> *Pantholops hodgsoni*

<400> 241

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tcccatacat	tggcacagac	ctagtctgaat	gaatctgagg	gggattctca	gtagacaaag	120
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<210> 242

<211> 472

<212> DNA

<213> *Budorcas taxicolor taxicolor*

<400> 242

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<210> 243

<211> 472

<212> DNA

<213> *Ovis ammon*

<400> 243

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<210> 244

<211> 472

<212> DNA

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<400> 244

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<210> 245

<211> 472

<212> DNA

<213> *Capcornis crispus*

<400> 245

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<210> 246

<211> 472

<212> DNA

<213> *Ovibos moschatus*

<400> 246

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<210> 247

<211> 472

<212> DNA

<213> *Oreamnos americanus*

<400> 247

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cagacaacta	caccccagca	aaccactta	acactcccc	tcacatcaaa	cctgaatgat	420
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<210> 248

<211> 472

<212> DNA

<213> *Cephalophus dorsalis*

<400> 248

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<210> 249

<211> 472

<212> DNA

<213> *Cephalophus maxwellii*

<400> 249

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<210> 250

<211> 472

<212> DNA

<213> *Alces alces*

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<211> 472

<212> DNA

<213> *Hydropotes inermis*

<400> 251

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<210> 252

<211> 472

<212> DNA

<213> *Muntiacus muntjak*

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<210> 253

<211> 472

<212> DNA

<213> *Cervus elaphus kansuensis*

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<210> 254

<211> 472

<212> DNA

<213> *Cervus elaphus xanthopygus*

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1

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<211> 472

<212> DNA

<213> *Cervus elaphus canadensis*

<400> 255

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Sunil Kumar VERMA, et al

Serial No.: 09/821,782

Group No.:

Filed: March 29, 2001

Examiner:

For: UNIVERSAL PRIMERS FOR WILDLIFE IDENTIFICATION

Attorney Docket No.: U 013365-9

**Assistant Commissioner for Patents  
Washington, DC 20231**

**AMENDMENT**

**IN THE SPECIFICATION:**

In response to the Official Communication of January 2, 2002, please amend the application as follows:

**IN THE SPECIFICATION:**

Page 326, after last line of Table 12 rewrite the Sequence Listing as follows:

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**CERTIFICATE OF MAILING (37 CFR 1.8a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner of Patents and Trademarks, Washington, DC 20231

\_\_\_\_\_  
CLIFFORD J. MASS

(Type or print name of person mailing paper)

Date: April 2, 2002

\_\_\_\_\_  
(Signature of person mailing paper)



## Sequence Listing

<110> Kumar Verma, Sunil  
Singh, Lalji

<120> UNIVERSAL PRIMERS FOR WILDLIFE IDENTIFICATION

<130> U-013365-9

<140> 09/821782

<141> 2001-03-29

<160> 255

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<211> 26

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<220>

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<210> 3

<211> 23

<212> DNA

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<220>

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23

<210> 4

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

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23

<210> 5

<211> 328

<212> DNA

<213> adil.flesh

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<223> DNA sequence generated from the confiscated skin of unknown animal origin using primers mcb398 and mcb869

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<210> 6

<211> 328

<212> DNA

<213> bhz25t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 1 using primers mcb398 and mcb869

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<210> 7

<211> 328

<212> DNA

<213> bhz26t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 2 using primers mcb398 and mcb869

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<210> 8

<211> 328

<212> DNA

<213> bhz30t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 3 using primers mcb398 and mcb869

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<210> 9

<211> 328

<212> DNA

<213> bhz45t

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<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 4 using primers mcb398 and mcb869

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aacacccctc cccatatcaa gcgcgaat 328
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<210> 10

<211> 328

<212> DNA

<213> bhz56t

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<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 5 using primers mcb398 and mcb869

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<210> 11

<211> 328

<212> DNA

<213> bhz63t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 6 using primers mcb398 and mcb869

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<210> 12

<211> 328

<212> DNA

<213> bhz20wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 1 using primers mcb398 and mcb869

<400> 12

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<210> 13

<211> 328

<212> DNA

<213> bhz22wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris* tigris) animal number 2 using primers mcb398 and mcb869

<400> 13

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattctt	tgcttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 14

<211> 328

<212> DNA

<213> bhz23wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris* tigris) animal number 3 using primers mcb398 and mcb869

<400> 14

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattctt	tgcttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 15

<211> 328

<212> DNA

<213> bhz28wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris* tigris) animal number 4 using primers mcb398 and mcb869

<400> 15

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattctt	tgccttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtcc	acctcctatt	cctccatgag	120
acaggatcta	acaacccttc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacacccttc	cccatatcaa	gcgcgaat				328

<210> 16

<211> 328

<212> DNA

<213> gz1L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 1 using primers mcb398 and mcb869

<400> 16

tgaatctgag	gaggcttctc	agtagacaaa	gctaccttga	cacgattctt	tgccttccac	60
ttcatccttc	catttatcat	ctcagctcta	gcagcagtcc	acctcctatt	ccttcacgag	120
acaggatcta	acaacccttc	aggaatagta	tccgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagatat	cctgggcctt	ctagtactaa	tcctagcact	catactactc	240
gtcctattct	caccagacct	gttagggagac	cccgataact	acatccctgc	caaccctcta	300
aatacccttc	cccatatcaa	gcctgaat				328

<210> 17

<211> 328

<212> DNA

<213> gz2L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 2 using primers mcb398 and mcb869

<400> 17

tgaatctgag	gaggcttctc	agtagacaaa	gctaccttga	cacgattctt	tgccttccac	60
ttcatccttc	catttatcat	ctcagctcta	gcagcagtcc	acctcctatt	ccttcacgag	120
acaggatcta	acaacccttc	aggaatagta	tctgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tccttagcact	catactactc	240
gtcctattct	caccagacct	gttgggagac	cccgataact	acatccccgc	caaccctcta	300
aatacccttc	cccatatcaa	gcctgaat				328

<210> 18

<211> 328

<212> DNA

<213> gz3L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 3 using primers mcb398 and mcb869

<400> 18

tgaatctgag	gaggcttctc	agtagacaaa	gtacacctga	cacgattctt	tgccttccac	60
ttcatccttc	catttatcat	ctcagctcta	gcagcagttc	accttcctatt	ccttcacgag	120
acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcttagcact	catactactc	240
gtcctattct	caccagacct	gttgggagac	cccgataact	acatccccgc	caaccctcta	300
aataccctc	cccatatcaa	gcctgaat				328

<210> 19

<211> 328

<212> DNA

<213> gz21CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 1 using primers mcb398 and mcb869

<400> 19

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattttt	cgcttccac	60
ttcatcctcc	catttatcat	ctcagcctta	gcagcagttc	accttctatt	tctccatgaa	120
acaggatcca	ataaccctc	aggaatggta	tccgattcag	acaaaatccc	gttccaccgc	180
tactatacaa	tcaaagatat	cctaggcctc	ctagttctaa	ttctagcgct	cacactactt	240
gttctattct	cccagacct	actaggagac	cctgacaatt	acactcccgc	caaccctcta	300
aataccctc	cccatatcaa	gcctgaat				328

<210> 20

<211> 328

<212> DNA

<213> gz22CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 2 using primers mcb398 and mcb869

<400> 20

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattttt	cgcttccac	60
ttcatcctcc	catttatcat	ctcagcctta	gcagcagttc	accttctatt	tctccatgaa	120
acaggatcca	ataaccctc	aggaatggta	tccgattcag	acaaaatccc	gttccaccgc	180
tactatacaa	tcaaagatat	cctaggcctc	ctagttctaa	ttctagcgct	cacactactt	240
gttctattct	cccagacct	actaggagac	cctgacaatt	acactcccgc	caaccctcta	300
aataccctc	cccatatcaa	gcctgaat				328

<210> 21

<211> 328

<212> DNA

<213> darz14SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 1 using primers mcb398 and mcb869

<400> 21

tgaatctgag	gaggctttctc	agtacacaaa	gccaccctga	cacgattctt	tgccttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaacccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaact	catactactc	240
gtcctattct	caccagacct	attaggggac	gccgataact	acatccccgc	caaccctcta	300
aacacccctc	cccataatcaa	gcccgaat				328

<210> 22

<211> 328

<212> DNA

<213> darz15SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 2 using primers mcb398 and mcb869

<400> 22

tgaatctgag	gaggctttctc	agtacacaaa	gccaccctga	cacgattctt	tgccttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaacccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaact	catactactc	240
gtcctattct	caccagacct	attaggggac	gccgataact	acatccccgc	caaccctcta	300
aacacccctc	cccataatcaa	gcccgaat				328

<210> 23

<211> 328

<212> DNA

<213> darz16SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 3 using primers mcb398 and mcb869

<400> 23

tgaatctgag	gaggctttctc	agtacacaaa	gccaccctga	cacgattctt	tgccttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaacccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaact	catactactc	240
gtcctattct	caccagacct	attaggggac	gccgataact	acatccccgc	caaccctcta	300
aacacccctc	cccataatcaa	gcccgaat				328

<210> 24

<211> 328

<212> DNA

<213> sbz22AL



<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 1 using primers mcb398 and mcb869

<400> 24

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattctt	tgctttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctggt	cctccatgaa	120
acaggatcta	ataaccctc	aggaatggta	tctgactcag	ataaaattcc	attccatcca	180
tactatacaa	tcaaagatat	cctaggcctt	ctagtactaa	tcttaacact	catactactc	240
gtcctattct	caccagacct	attaggagat	cccgacaact	atacccccgc	caatcctcta	300
agcaccctc	cccatatcaa	acctgaat				328

<210> 25

<211> 328

<212> DNA

<213> sbz38AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 2 using primers mcb398 and mcb869

<400> 25

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattctt	tgctttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctggt	cctccatgaa	120
acaggatcta	ataaccctc	aggaatggta	tctgactcag	ataaaattcc	attccatcca	180
tactatacaa	tcaaagatat	cctaggcctt	ctagtactaa	tcttaacact	catactactc	240
gtcctattct	caccagacct	attaggagat	cccgacaact	atacccccgc	caatcctcta	300
agcaccctc	cccatatcaa	acctgaat				328

<210> 26

<211> 328

<212> DNA

<213> sbz39AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 3 using primers mcb398 and mcb869

<400> 26

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattctt	tgctttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctggt	cctccatgaa	120
acaggatcta	ataaccctc	aggaatggta	tctgactcag	ataaaattcc	attccatcca	180
tactatacaa	tcaaagatat	cctaggcctt	ctagtactaa	tcttaacact	catactactc	240
gtcctattct	caccagacct	attaggagat	cccgacaact	atacccccgc	caatcctcta	300
agcaccctc	cccatatcaa	acctgaat				328

<210> 27

<211> 328

<212> DNA

<213> humsk

<220>

<223> DNA sequence generated from the known human (Homo sapiens sapiens) using primers mcb398 and mcb869

<400> 27

tgaatctgag	gaggctactc	agtagacagt	cccaccctca	cacgattctt	tacctttcac	60
ttcatcttgc	ccttcattat	tgcagcccta	gcagcactcc	acctcctatt	cttgcacgaa	120
acgggatcaa	acaacccccct	aggaatcacc	tcccattccg	ataaaatcat	cttccaccct	180
tactacacaa	tcaaagacgc	cctcggctta	cttctcttcc	ttctctcctt	aatgacatta	240
acactattct	caccagacct	cctaggcgac	ccagacaatt	ataccctagc	caaccctta	300
aacacccccctc	cccacatcaa	gcccgaat				328

<210> 28

<211> 328

<212> DNA

<213> chimss

<220>

<223> DNA sequence generated from the known chimpanzee (pan troglodytes) animal using primers mcb398 and mcb869

<400> 28

tgaatctgag	gaggctactc	agtagacagc	cctaccctta	cacgattctt	caccttccac	60
tttatcttac	ccttcattat	cacagcccta	acaacacttc	atctcctatt	cttacacgaa	120
acaggatcaa	ataacccccct	gggaatcacc	tcccactccg	acaaaattac	cttccacccc	180
tactacacaa	tcaaagatat	ccttggctta	ttccttttcc	tccttatcct	aatgacatta	240
acactattct	caccagacct	cctgggcgat	ccagacaact	ataccctagc	taacccccta	300
aacaccccac	cccacattaa	accggaat				328

<210> 29

<211> 472

<212> DNA

<213> Cervus nippon centralis

<400> 29

taccatgagg	acaaatatca	ttctgaggag	caacagtcac	taccaacctc	ctctcagcaa	60
ttccatatat	tggcacaaac	ctagtccaat	ggatctgagg	gggctttctca	gtagataaag	120
caaccctaac	cggatttttc	gctttccact	ttattcttcc	atztatcatc	gcagcacttg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actacaccat	taaagatatc	ttaggcacat	300
tacttctagt	actcttccta	atattactag	tattattcgc	accagacctg	cttgagatc	360
cagacaacta	tacccagca	aatccactca	acacaccccc	tcacatcaaa	cctgaatgat	420
acttcttatt	tgcatacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 30

<211> 472

<212> DNA

<213> Cervus nippon yesoensis

<400> 30

taccatgagg	acaaatatca	ttctgaggag	caacagtc	taccaacctc	ctctcagcaa	60
ttccatata	tggcacaac	ctagtcgaat	ggatctgagg	gggtttctca	gtagataaag	120
caacccta	ccgatttttc	gctttccact	ttattcttcc	atttatcatc	gcagcacttg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actacaccat	taaagatatc	ttaggcatct	300
tacttctagt	actcttccta	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	taccccagca	aatccactca	acacaccccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 31

<211> 472

<212> DNA

<213> Cervus nippon keramae

<400> 31

taccatgagg	acaaatatca	ttctgaggag	caacagtc	taccaacctt	ctctcagcaa	60
ttccatacat	tggcacaac	ctagtcgaat	ggatctgagg	aggcttttca	gtagataaag	120
caacccta	ccgatttttc	gccttccact	ttattcttcc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actataccat	taaagatatc	ctaggcatct	300
tacttctagt	actcttcctg	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	caccccagca	aatccgctca	acacaccccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 32

<211> 472

<212> DNA

<213> Cervus nippon pulchellus

<400> 32

taccatgagg	acaaatatca	ttctgaggag	caacagtc	taccaacctt	ctctcagcaa	60
ttccatacat	tggcacaac	ctagtcgaat	ggatctgagg	aggcttttca	gtagataaag	120
caacccta	ccgatttttc	gccttccact	ttattcttcc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actataccat	taaagatatc	ctaggcatct	300
tacttctagt	actcttcctg	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	caccccagca	aatccgctca	acacaccccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 33

<211> 472

<212> DNA

<213> Cervus nippon nippon

<400> 33

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ttccatacat	tggcacaac	ctagtcgaat	ggatctgagg	aggcttttca	gtagataaag	120

caaccctaac	ccgatttttc	gccttccact	ttattcttcc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatccct	actataccat	taaagatatc	ctaggcatct	300
tactttctagt	actcttctcg	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	caccccagca	aatccgctca	acacaccccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 34

<211> 472

<212> DNA

<213> Cervus elaphus scoticus

<400> 34

taccatgagg	acaaatatca	ttctgaggag	caacagtcac	caccaacctt	ctctcagcaa	60
ttccatatat	tgggacaaaac	ctagtcgaat	ggatctgagg	aggcttttca	gtagacaaaag	120
caaccctaac	ccgatttttc	gctttccact	ttattctccc	atttatcatc	gcagcactcg	180
ctatagtaca	cttactcttc	cttcacgaaa	caggatctaa	taacccaaca	ggaattccat	240
cagacgcaga	caaaatcccc	tttcatccct	attataccat	taaagatatc	ttaggcatct	300
tactttctgt	actcttctta	atattactag	tattattcgc	accagacctc	cttggagatc	360
cagataacta	caccccagca	aaccctactca	acacaccccc	tcatattaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 35

<211> 472

<212> DNA

<213> Cervus dama

<400> 35

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tcccatatat	tgggtacaaaac	ctagttgaat	gaatctgagg	aggcttttca	gtagacaaaag	120
caaccctaac	tcgattcttc	gctttccact	ttattctacc	attcatcatt	gcggcacttg	180
ctatagtaca	tttactcttt	cttcacgaga	caggatccaa	taacccaaca	ggaatcccat	240
cagatgtaga	taaaattccc	tttcatccct	actacacct	taaagatatt	ttaggcatcc	300
tatttctatt	tctcttctta	ataacactag	tactatttgc	accagacttg	cttggagacc	360
cagacaaata	cactccagca	aatccactca	acacacctcc	tcatattaaa	cccgaatgat	420
acttcttatt	tgcatacgca	atcctacgat	caattcccaa	taaattagga	gg	472

<210> 36

<211> 472

<212> DNA

<213> Rangifer tarandus

<400> 36

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caaccctaac	ccgattttttt	gcttttccact	ttattcttcc	atttattatc	gcagcactcg	180
ctatagtcca	tttgctttttc	cttcacgaaa	caggggtctaa	caatccaaca	ggaattccat	240
cagactcaga	taaaattcca	ttccatccct	attatactat	caaagacatt	ctaggcatcc	300
tacttcta	tctcttccct	atactactag	tattatttgc	accagactta	ctaggagacc	360
cagacaacta	taccccagca	aaccctactca	acactcccc	tcatattaaa	cctgaatgat	420
actttctatt	cgcatacgca	atcctacgat	caattccaaa	taaactagga	gg	472

<210> 37

<211> 472

<212> DNA

<213> *Moschus fuscus*

<400> 37

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ttccatacat	tgggtactaat	ctgggttgaat	gaatttgagg	aggcttctca	gtagacaaag	120
caacactcac	tcgattcttt	gcctttcact	tcattctccc	atttatcatc	gcagcactcg	180
ctatgggttca	cctactcttt	ctccacgaaa	caggatccaa	caacccaaca	ggaatcacat	240
cagatataga	caaaatccca	ttccaccctt	actacaccat	caaagacatt	ctaggtgtcc	300
tattactaat	cttagtctta	ataacactag	tactattcac	acctgattta	cttggagacc	360
cggacaatta	taccccagca	aaccatttaa	atacgcccc	acatattaaa	cccgaatgat	420
atttcctatt	tgcatatgcc	attctacgat	caattcccaa	caaactagga	gg	472

<210> 38

<211> 472

<212> DNA

<213> *Moschus leucogaster*

<400> 38

taccttgagg	acaaatatct	ttctgaggag	caacagttat	taccaatctt	ctctcagcaa	60
ttccatacat	tgggtactaat	ctgggttgaat	gaatttgagg	aggcttctca	gtagacaaag	120
caacactcac	cggattcttt	gccttccact	tcattctccc	atttatcatc	gcagcactcg	180
ctatgggttca	cctactcttt	ctccacgaaa	caggatccaa	caacccaaca	ggaatcacat	240
cagatataga	caaaatccca	ttccaccctt	actacaccat	caaagacatt	ctaggtgtcc	300
tattactaat	cttagtctta	ataacactag	tactattcac	acctgattta	cttggagacc	360
cggacaatta	taccccagca	aaccatttaa	atacaccccc	acatattaaa	cccgaatgat	420
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<210> 39

<211> 472

<212> DNA

<213> *Moschus chrysogaster*

<400> 39

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caacactcac	tcgattcttt	gccttccact	tcattctccc	atttatcatc	gcagcactcg	180
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cagacataga	caaaatccca	ttccaccctt	actacaccat	caaagacatt	ctaggtgtcc	300
tattactaat	cctagtctta	ataacactag	tactattcac	acctgattta	cttggagacc	360
cggacaatta	taccccggca	aaccatttaa	atacgcccc	acatattaaa	cccgaatgat	420
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<210> 40

<211> 472

<212> DNA

<213> *Moschus berezovskii*

<400> 40

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caacactcac	cggattcttt	gccttccact	tcctctccc	atttatcatc	gcagcactcg	180
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cagacataga	caaaatccca	ttccacccct	actacactat	caaagacatt	ctaggtgtcc	300
taatactaata	cttagtctta	atagtactag	tactattcac	acccgattta	cttgagacc	360
cggacaatta	tacccagca	aaccattaa	acacaccacc	acataattaaa	cccgaatgat	420
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<210> 41

<211> 472

<212> DNA

<213> Moschus moschiferus

<400> 41

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caacactcac	cggattcttt	gccttccact	ttatctccc	atttatcatt	gcagcactcg	180
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cagacataga	caaaatccca	ttccacccct	actacacacat	caaagatatt	ctaggtatcc	300
tattactaat	cttaatactta	atagcactag	tgctatttac	acccgaccta	cttgagatc	360
cggacaacta	tactccagca	aaccattaa	atacacctcc	acataattaaa	cccgaatggt	420
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<210> 42

<211> 472

<212> DNA

<213> Kobus ellipsiprymnus

<400> 42

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caacccttac	cggcttcttc	gccttccact	ttattctccc	atttatcatc	gcggctatta	180
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cagacataga	taaaatccca	ttccacccct	actacacacat	caaagacatt	ctagggcgcc	300
tactactaat	cctagtccca	atactcctag	ttctattcgc	ccccgaccta	cttgagatc	360
ctgacaacta	tgccccagca	aaccactta	acacgcccct	cacaattaaa	cctgaatgat	420
actttctatt	cgcataatgca	attctacgat	caatcccaaa	caaactagga	gg	472

<210> 43

<211> 472

<212> DNA

<213> Kobus megaceros

<400> 43

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caacccttac	cggcttcttc	gccttccact	ttatctccc	atttatcatc	gcagctatcg	180
ctatagttca	cctactattc	cttcatgaaa	caggatctaa	caaccctaca	gggatttcat	240
cagacacaga	caaaatccca	ttccacccat	attataccat	caaagatatt	ctaggtgcc	300

tcctattaat	cctaatacta	atactcctag	tactatttgc	ccccgaccta	cttggagacc	360
ctgacaatta	taccccagca	aaccactta	atacacctcc	ccatattaaa	cccgaatgat	420
atttccttatt	cgcatacgca	attttacggt	caattcctaa	taaactggga	gg	472

<210> 44

<211> 472

<212> DNA

<213> Redunca arundinum

<400> 44

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caacccttac	ccgattcttc	gccttccact	ttatcctccc	attcattatc	acagccctcg	180
ctatagtaca	cctactattc	ctccacgaaa	caggatccaa	caaccctaca	ggaatctcat	240
cagatgtaga	caaaatccca	tttcatccat	actatactat	caaggacgtc	ctaggcgccc	300
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ccgacaatta	tactccagca	aatccactca	acacaccccc	tcatattaaa	cccgaatgat	420
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<210> 45

<211> 472

<212> DNA

<213> Redunca fulvorufula

<220>

<221> n

<222> 269

<223> unknown base

<400> 45

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caaccctcac	tcgattcttc	gccttccact	ttatcctccc	atttatcatc	atagccctcg	180
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cagayatgga	caaaatccca	ttccaccnt	actacaccat	caaagayatt	ctaggtgccc	300
tactactaat	cctggcccta	acactattag	tactattcac	ccctgaccta	ctcggagacc	360
cggacaatta	caccccagca	aaccactca	acacaccccc	tcacatcaaa	ccagaatggt	420
acttccttatt	ngcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 46

<211> 472

<212> DNA

<213> Neotragus moschatus

<400> 46

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tcccatacat	cggcacaaac	ctagtcgaat	gaatctgagg	gggtttctca	gtagacaaag	120

caaccctcac	cggatttttt	gccttccact	tcattctccc	atztatcatc	gcagcactcg	180
ccatagtcca	cttactcttc	ctacacgaaa	caggatccaa	caaccccaca	ggaatctcat	240
cagacgcaga	caaaatccca	ttccacccct	actacaccat	taaagacatt	ctaggcgcca	300
tcctactaat	tctagtgc	acactcttag	ttttatttgc	acctgacctt	ttaggagacc	360
cagacaacta	cacccccgca	aaccctctta	acacgcctcc	ccatatcaaa	cccgaatgat	420
actttttatt	cgcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 47

<211> 472

<212> DNA

<213> *Pelea capreolus*

<400> 47

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caaccctcac	cggatttttt	gctttccact	ttattctccc	atztatcatt	gcagccctca	180
ccatagtaca	cttgcttttt	cttcatgaaa	caggatctaa	taaccccacg	ggaattccat	240
cggacataga	caaaattcca	ttccacccat	actacaccat	taaagatatt	ctaggcgctt	300
tattactaat	cctaataccta	acactcctag	tattattttac	ccctgacctt	ttaggagacc	360
ctgacaatta	cacccctgca	aaccgcctca	acacaccccc	tcatatcaaa	cccgaatgat	420
atttcctatt	tgcatacgcg	attctacgat	caattcccaa	caaactagga	gg	472

<210> 48

<211> 472

<212> DNA

<213> *Antilope cervicapra*

<400> 48

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caacccttac	cggatttttt	gccttccact	ttatctctcc	atztatcatt	gcagccctta	180
ccatagtaca	cctactgttt	ctccacgaaa	caggatccaa	caaccccaca	ggaatctcat	240
cagacgcaga	caaaattcca	ttccacccct	actacactat	caaagatatc	ctaggagctc	300
tactattaat	tttaaccctc	atgcttctag	tcctattctc	accggacctg	cttggagacc	360
cagacaacta	tacaccagca	aaccacttta	atacaccccc	acatatcaag	cccgaatgat	420
acttcctatt	tgcatacgca	atcctccgat	caattcctaa	caaactagga	gg	472

<210> 49

<211> 472

<212> DNA

<213> *Saiga tatarica*

<400> 49

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caaccctcac	cggattcttc	gccttccact	tcctctctcc	atztatcatt	gcagctctcg	180
ctatagtcca	cctacttttt	cttcacgaaa	caggatctaa	caaccccaca	ggaatcccat	240
cagattcaga	caaaatccca	ttccacccct	actacaccat	taaagacatt	ctaggcgccc	300
tactacttat	tctaatacctc	atacttctag	tcctattttc	accagacctg	cttggagacc	360
cagacaacta	cacccagca	aaccacttta	acacaccccc	acataattaa	cccgaatgat	420
acttcctatt	cgcatacgca	atcctccgat	caattcctaa	taaactagga	gg	472



<210> 50

<211> 472

<212> DNA

<213> *Gazella dama*

<400> 50

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caacactcac	ccgattcttt	gccttccatt	tcatcttccc	attcatcatt	gcagcccttg	180
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cagatgcaga	caaaattccg	ttccacccct	actacaccat	caaagacatt	ctaggagcac	300
tactattaat	tctagccctc	atactcctag	ttctattcac	accagatctg	cttggagacc	360
cagacaacta	cacaccagca	aatccactca	atacaccccc	acatattaag	cctgagcgat	420
atttcctatt	tgcatacgca	attctccgat	caattcctaa	taaactagga	gg	472

<210> 51

<211> 472

<212> DNA

<213> *Ourebia ourebi*

<400> 51

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caactctaac	ccgattcttt	gccttccact	tcatcctccc	attcatcatt	gcagcccttg	180
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tcctactaat	tctagccctc	atgctcctag	tcctattcac	accagacctg	cttggagacc	360
cagacaacta	tacaccagca	aacccactaa	atacaccccc	acatattaac	cctgagtggg	420
atttcctatt	cgcatacgca	attctccgat	cgattcccaa	caaactagga	gg	472

<210> 52

<211> 472

<212> DNA

<213> *Gazella gazella*

<400> 52

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caacactcac	ccgattcttt	gcttttccact	ttatcctccc	attcatcatt	gcagccctcg	180
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cagacgcaga	caaaatccca	tttcacccct	actacaccat	caaggacatt	ctaggagcac	300
tactactaat	cctagttctt	atactcctag	ttctgttctc	accggacctc	ctcggagacc	360
cagacaacta	tacaccagca	aatccactca	acacaccccc	acacatcaaa	cctgaatggg	420
acttcctatt	cgcatacgca	attctccgat	caattcccaa	taaactagga	gg	472

<210> 53

<211> 472

<212> DNA

<213> *Raphicerus melanotis*

<400> 53

taccatgagg	acaaatatcc	ttttgaggag	caacagtc	cactaatctc	ctctcagcaa	60
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caaccctcac	cgcattcttc	gcttttca	tcagttctcc	atttatcatc	gcagccctag	180
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cagatataga	caaaatccca	tttcacccct	actacacat	taaagacatt	ttaggagccc	300
tcctattaat	cctaaccctt	atgcttctag	ttctattcgc	accagaccta	ctcggagacc	360
cagacaacta	tacaccagca	aaccctactca	acacaccccc	acatatcaaa	cccgaatggt	420
attttctatt	cgcataatgca	attctccggt	caattcccaa	taaattagga	gg	472

<210> 54

<211> 472

<212> DNA

<213> *Madoqua kirkii*

<400> 54

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caaccctcac	cgcattcttc	gccttccatt	ttattctccc	attcattatt	gcagccctag	180
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cagacgcaga	cggaatccca	ttccgcccct	actacactat	taaagacatc	ctaggcgccc	300
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cagacaacta	cacaccagca	aatcccctta	acacgcccc	acacattaag	cctgaatgat	420
atttcctatt	cgcataatgca	atcctccgat	caatccctaa	caaactaggg	gg	472

<210> 55

<211> 472

<212> DNA

<213> *Antilocapra americana*

<400> 55

taccatgagg	acaaatatca	ttctgagggg	caacagtc	tactaaccta	ctctcagcaa	60
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caaccctcac	cgcattcttc	gcattccact	ttatctctcc	attcatcatt	gcagcactag	180
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ccgacaacta	cacaccagct	aaccctactca	acactccccc	acacattaag	ccagaatgat	420
atttcctatt	cgcataatgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 56

<211> 472

<212> DNA

<213> *Tragulus javanicus*

<400> 56

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caacccttac	acgattcttt	gccttccact	ttatctctcc	atttatcatt	acagccctag	180

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cagataacta	cacccccgcc	aaccccctta	acacaccacc	ccatatcaaa	cccgaatgat	420
atttcttatt	tgcatacgca	attcttcggt	caatccccaa	taaactagga	gg	472

<210> 57

<211> 472

<212> DNA

<213> *Tragulus napu*

<400> 57

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caacccttac	acgatttttt	gccttccact	tcctctctcc	atttgctcatt	acagccctag	180
ccctagtcca	tctttttat	ctccacgaga	caggatcaaa	taaccccaca	ggaatcccct	240
cagacgcaga	caagatcccc	ttccacccat	actacaccat	caaagatgtc	ctaggggctc	300
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ccgacaatta	cactccggca	aaccccctca	acacaccacc	tcataattaag	ccagagtggg	420
atttcttatt	cgcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 58

<211> 472

<212> DNA

<213> *Balaenoptera acutorostrata*

<400> 58

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caacattaac	acgctttttt	gccttccact	tcctctctcc	ttttattatc	ctagcattag	180
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ccgacaacta	taccccagca	aacccactca	gtaccccagc	acacattaaa	ccagaatgat	420
acttcttatt	cgcatacgca	atcctacgat	caatccctaa	taaactaggc	gg	472

<210> 59

<211> 472

<212> DNA

<213> *Balaenoptera bonaerensis*

<400> 59

taccctgagg	acaaatatca	ttttgaggcg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccatacat	tgggtaccacc	ttagttgaat	gaatctgagg	tggcttctct	gtagacaaag	120
caacattaac	acgctttttt	gccttccact	tcctctctcc	tttctattatc	ctagcattag	180
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tactactaat	tctaacccta	ctaactactaa	ccctatttgc	acccgacctg	ctcggagacc	360
ccgacaacta	caccccagca	aacccactca	gtaccccagc	acacattaaa	ccagaatgat	420
attttctatt	cgcatacgca	atcctacgat	caatccccaa	taaactaggc	gg	472

<210> 60

<211> 472

<212> DNA

<213> Balaenoptera borealis

<400> 60

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tcccatacat	tggtactacc	ctagtcgaat	ggatctgagg	cggttttctct	gtagataaag	120
caacactaac	acgctttttt	gccttccact	tcattctccc	cttcattatt	ctagcactag	180
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tactactaat	cctaacccta	ctaatactaa	ccctattcgc	acccgacctg	cttggagacc	360
cagacaacta	caccccagca	aatccactca	gtaccccagc	acacattaaa	ccagaatgat	420
atttcttatt	tgcatacgca	atcctacgat	caatccccaa	caaattaggc	gg	472

<210> 61

<211> 472

<212> DNA

<213> Balaenoptera edeni

<400> 61

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caacactaac	acgctttttt	gccttccact	ttatcctccc	cttcattatt	ctagcactag	180
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tactactaat	cctaacccta	ctaattgctaa	ccctattcgt	acccgacctc	cttggagacc	360
cagacaacta	cactccagca	aatccactca	gtaccccac	acacattaaa	ccagaatgat	420
atttcttatt	tgcatacgca	atcctacgat	caattcccaa	caaattaggc	gg	472

<210> 62

<211> 472

<212> DNA

<213> Eschrichtius robustus

<400> 62

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tcccatacat	tggtactacc	ctagtcgaat	gggtctgagg	cggtttttct	gtagataaag	120
caacactaac	acgcttcttt	gccttccact	tcctccttcc	attcattatc	ctagcactag	180
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ccaacataga	caatatcccc	ttccaccctt	attacacaat	taaagacata	ctaggcgccc	300
tgctactaat	cctaacccta	ctaatactaa	ccctattcgc	acccgacctg	ctcggagacc	360
cagacaacta	taccccagca	aacccactca	gcaccccac	acatattaaa	ccagagtgat	420
atttcttatt	tgcatacgca	atcctacgat	cgatccccaa	caaattaggc	gg	472

<210> 63

<211> 472

<212> DNA

<213> Balaenoptera musculus

<400> 63

tgccctgagg	acaaatatca	ttctgaggcg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccatacat	tggtactacc	ctagtcgaat	gaatctgagg	cggtttttct	gtggataaag	120
caacactaac	acgcttcttt	gccttccact	tcattctccc	cttcatcatt	atagcattag	180
caatcgcca	cctcatcttc	cttcacgaaa	caggatccaa	caaccccaca	ggatatcccat	240
ctgacataga	taaaattcca	ttccaccctt	actacacaat	taaagacatt	ctaggcgccc	300
tactactaat	cctaacccta	ctaataattaa	ctctatttgc	acccgactta	ctcggagacc	360
cagacaacta	caccccagca	aaccctactca	gtaccccagc	acacattaaa	ccagagtgat	420
atttcctatt	tgcataatgca	atcctacgat	caatccccaa	caaattaggc	gg	472

<210> 64

<211> 472

<212> DNA

<213> Megaptera novaeangliae

<400> 64

taccctgagg	acaaatatca	ttctgaggcg	caaccgtcat	caccaacctt	ctatcagcaa	60
tcccatacat	tggtactacc	ctagtcgaat	gaatctgggg	cggtttttcc	gtagacaaaag	120
caacactaac	acgttttctt	gctttccact	tcattctccc	cttcatcatt	acagcattag	180
caatcgcca	cctcatcttc	ctccacgaaa	caggatccaa	caaccccaca	ggcatcccat	240
ccaacataga	caaaatccca	ttccaccctt	actacacaat	caaagacact	ctaggcgccc	300
tattactaat	cctaacccta	ctaattgttaa	ccctatttgc	acctgacctg	cttggagacc	360
cagataacta	caccccagca	aaccctactca	gtaccccagc	acacattaaa	ccagagtgat	420
atttcctatt	tgcatacgc	atcctacgat	caatccccaa	caaactaggc	gg	472

<210> 65

<211> 472

<212> DNA

<213> Balaenoptera physalus

<400> 65

tgccctgagg	acaaatatca	ttctgaggcg	caactgtaat	cactaacctc	ctatcagcaa	60
tcccatacat	tggtaccacc	ctagtcgaat	gaatctgagg	cggttttctt	gtagataaag	120
caacactaac	acgctttttt	gcctttcact	ttatctctcc	cttcatcatc	ctagcattag	180
caattgtcca	ccttattttc	cttcacgaaa	caggatccaa	caaccccaca	ggcatcccat	240
ccgacataga	taaaatccca	ttccaccctt	accacacaat	taaagacatt	ctagggtgccc	300
tattactaat	cctaataccta	ctaataactaa	ccctatttgc	acccgacctt	cttggagacc	360
cagacaacta	taccccagca	aaccctactca	gtaccccagc	acacattaaa	ccagaatggg	420
attttctatt	cgcatacgc	atcctacgat	caatccccaa	caaactaggc	gg	472

<210> 66

<211> 472

<212> DNA

<213> Caperea marginata

<400> 66

tgccctgagg	acagatatca	ttctgaggcg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccatacat	tggtaccacc	ctagttgaat	gaatctgggg	tggtttctcc	gtagacaaaag	120

cgacactaac	tcgcttcttt	gctttccact	tcctcctccc	tttcattatt	ctagcgctag	180
cagctgttca	tctccttttc	ctccacgaaa	caggatctaa	caaccccaca	ggcatcccat	240
ccaacataga	caaaattcca	ttccaccctt	actacacaat	taaagacatc	ctgggcgtcc	300
tactactaat	cctgacccta	ctaataattaa	ccttatctac	acctgacctg	cttgagagacc	360
ctgacaacta	caccccagca	aatccctca	gcaccccagc	acacatcaag	ccagaatgat	420
acttcctatt	tgcatatgca	atcctacgat	caattcctaa	taaattaggt	gg	472

<210> 67

<211> 472

<212> DNA

<213> Cephalorhynchus commersonii

<400> 67

taccctgggg	acagatatca	ttttgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacat	cggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaaag	120
caacactaac	acgctttttc	gccttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattccta	cctaacccta	ctagcattaa	ccctatttgc	ccccgaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcaccccgc	acacatcaaa	ccagagtgat	420
acttcctatt	cgcatatgca	atcctacgat	caattcccaa	taaacttgga	gg	472

<210> 68

<211> 472

<212> DNA

<213> Cephalorhynchus eutropia

<400> 68

taccctgggg	acagatatca	ttttgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacat	cggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaaag	120
caacactaac	acgctttttc	gccttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattccta	cctaacccta	ctagcactaa	ccctatttgc	ccctgaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcaccccgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 69

<211> 472

<212> DNA

<213> Lagenorhynchus obliquidens

<400> 69

taccctgagg	acagatatca	ttctgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacat	cggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaaag	120
caacactaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattccta	tctaacccta	ctagcactaa	ccctatttgc	ccctgaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcaccccgc	acacatcaaa	ccagaatggt	420
acttcctatt	cgcatatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 70

<211> 472

<212> DNA

<213> Cephalorhynchus heavisidii

<400> 70

taccctgagg	acaaatatca	ttttgaggcg	caacagtc	catcaccaac	ctcagcaaa	60
tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtggacaaag	120
caacactaac	acgctttttc	gccttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	tctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattccta	atctagcccta	ctagcactaa	ccctattcgc	ccctgaccta	ctgggagacc	360
ctgataacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcataatgca	atcctacgat	caatccctaa	taaacttgga	gg	472

<210> 71

<211> 472

<212> DNA

<213> cephalorhynchus hectori

<400> 71

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tcccctacat	cgggcactacc	ttagtagaat	gaatctgagg	aggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gcctttcact	ttatcctccc	attcatcatc	acagcattaa	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaattccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ttaggcgctt	300
tattccta	atctaatccta	ctagcactaa	ccctattcgc	ccctgaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	acacccccgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcataatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 72

<211> 472

<212> DNA

<213> Lagenorhynchus australis

<400> 72

taccctgagg	acagatatca	ttttgaggtg	caacagtc	catcaccaac	ctcagcaaa	60
tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagataaag	120
caacactaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cttactattc	ttacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	actacacaac	taaagacatc	ctaggcgctt	300
tattccta	atctagcccta	ctagcactaa	ccctattcac	ccctgaccta	ctaggagacc	360
ctgacaacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcataatgca	atcctacgat	caattcctaa	taaactcgga	gg	472

<210> 73

<211> 472

<212> DNA

<213> Lagenorhynchus cruciger

<400> 73

taccctgagg	acagatatca	ttttgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gctttccact	tcctctccc	attcatcatc	acagcattag	180
cagccgtcca	cctgctattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	actacacaat	taaagacatc	ctaggcgctt	300
tattcctaata	cctaacccta	ctagcactaa	ccctggtcac	ccctgaccta	ctaggagacc	360
ctgacaacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatatgca	atcctacgat	caattcctaa	taaactcgga	gg	472

<210> 74

<211> 472

<212> DNA

<213> *Lagenorhynchus obscurus*

<400> 74

taccctgagg	acagatatca	ttttgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacat	tggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gctttccact	ttatctctcc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	cagaatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattcctaata	tctagcccta	ctaactactaa	ccctattcac	ccccgaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcacccccagc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 75

<211> 472

<212> DNA

<213> *Lissodelphis borealis*

<400> 75

taccctgagg	gcagatatca	ttttgaggtg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gctttccact	ttatctctcc	attcatcatc	acagcattag	180
cagctgttca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaattccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctggggcgctt	300
tattcctaata	tctggcccta	ctagcactaa	ccctattcac	ccctgaccta	ttaggagacc	360
ctgataacta	caccccagca	aatccattaa	gcacccctgc	acacatcaaa	ccagaatggt	420
acttcctatt	tgcatacgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 76

<211> 472

<212> DNA

<213> *Lissodelphis peronii*

<400> 76

taccctgagg	acagatatca	ttttgaggtg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gctttccact	ttatctctcc	attcatcatc	acagcattag	180
cagctgttca	cctactgttc	ctacacgaga	caggatccaa	taaccccaca	ggaattccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctggggcgctt	300



tattcttaat	tctgacccta	ctagcactaa	ccctatttac	ccctgacctg	ttaggagatc	360
ctgataacta	caccccagca	aatccattaa	gcacccctgc	acacatcaaa	ccagaatggg	420
actttctatt	cgcatacgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 77

<211> 472

<212> DNA

<213> Globicephala macrorhynchus

<400> 77

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tcctttacat	cggcaccacc	ttagtagaat	gaatctgagg	tggaattttcc	gtagacaaaag	120
caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
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ccaacataga	cataattcca	ttccacccct	attatacaat	taaagacatc	ctaggcgccc	300
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ctgataacta	tactccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcctacgat	caattcccaa	taaacttgga	gg	472

<210> 78

<211> 472

<212> DNA

<213> Globicephala melas

<400> 78

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tcctttacat	cggcactacc	ttagtagaat	gaatctgagg	tggaattttcc	gtagacaaaag	120
caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acaacattag	180
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ccaacataga	cataattcca	ttccacccct	attatacaat	taaagatata	ctaggcgccc	300
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ctgataacta	tactccagca	aaccactactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcctacgat	caattcccaa	taaacttgga	gg	472

<210> 79

<211> 472

<212> DNA

<213> Feresa attenuata

<400> 79

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tcctttacat	cggcaccact	ttagtagaat	gaatctgagg	tggaattttcc	gtagacaaaag	120
caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
tagctgtcca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaacataga	cataattcca	ttccacccct	attatacaac	taaagatata	ctagggtgccc	300
tactcttaat	tctaactata	ctaactactaa	ccctgttcac	ccctgacctc	ctaggagacc	360
ctgataacta	tactccagca	aaccactactaa	gcacccctgc	acacatcaaa	ccagagtgat	420
atttcctatt	cgcgtatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 80

<211> 472

<212> DNA

<213> *Peponocephala electra*

<400> 80

taccctgagg	acagatatca	ttctgaggcg	caaccggtcat	caccaatctc	ctatcagcaa	60
tcccttacat	cggaaccacc	ttagtagaat	gaatctgagg	tggattttcc	gtagacaaag	120
caacactaac	acgttttttc	gctttccact	tcctctccc	attcatcatc	acagcattgg	180
tagctgtcca	cctgctattc	ctacacgaaa	caggatccaa	taaccctaca	ggaatcccat	240
ccaacataga	cataattcca	ttccaccct	attatacaat	taaagacatc	ctaggcgctc	300
tactcttaat	cttagcacta	ctaactactaa	ccctattcac	ccctgaccta	ctaggagacc	360
ctaacaacta	taccccagca	aaccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatatgca	atcttacgat	caattcccaa	taaacttgga	gg	472

<210> 81

<211> 472

<212> DNA

<213> *Grampus griseus*

<400> 81

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tcccctacat	cggtactact	ttagtagaat	gaatctgagg	tggattttcc	gtagacaaag	120
caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
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ccaacataga	cataattcca	ttccaccct	attacacaat	taaagacatc	ctaggcgccc	300
tactccta	cctaactacta	ctaactactaa	ccctattcac	ccctgaccta	ctaggagacc	360
ctgataacta	cactccagca	aaccgctaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatatgca	atcttgcat	caattcccaa	caaacttgga	gg	472

<210> 82

<211> 472

<212> DNA

<213> *Pseudorca crassidens*

<400> 82

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tcccctacat	cggtaccact	ttagtagaat	gaatctgagg	aggattttcc	gtagacaaag	120
caacactaac	acgttttttc	actctccact	ttatcctccc	attcatcatt	acagcactaa	180
cagctaccca	cctactattc	ctacacgaga	ctggatccaa	taaccccaca	ggaatcccat	240
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tactctta	tctaactacta	ctaactactaa	ccctattcac	ccccgaccta	ctaggagacc	360
ctgataacta	tattccagca	aaccactaa	acacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatatgca	atcttacgat	caattcctaa	taaacttgga	gg	472

<210> 83

<211> 472

<212> DNA

<213> *Lagenorhynchus acutus*

<400> 83

taccatgagg	acaaatatca	ttctgaggcg	caaccgttat	caccaatctc	ctatcagcaa	60
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tcccttacat	cggcactacc	ctagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactgac	acgctttttc	gccttccatt	tcatacctccc	attcataatt	acagcattag	180
cagctgttca	cctgctgttc	ctacacgaga	caggatccaa	taaccctaca	ggaatcccat	240
ctaacaataga	tataatcccc	ttccaccctt	attatacaat	taaagatatc	ctaggcgctt	300
tactcttaat	tctaacccta	ctagcactaa	ccctattcac	ccctgaccta	ctaggagacc	360
ctgataacta	cactccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcctacgat	caattcccaa	caaacttgga	gg	472

<210> 84

<211> 472

<212> DNA

<213> *Orcinus orca*

<400> 84

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tcccttacat	cggcaccacc	ttagtagaat	gaatctgagg	tggtttttcc	gtagacaaag	120
caacactaac	acgttttttc	gccttccact	ttatcctccc	attcatcatc	acagcattaa	180
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ccaacataga	tataatccca	ttccaccctt	atcacacaat	taaagatacc	ctaggcgccc	300
tactcttaat	cctaaccctg	ctagcactaa	ccttattcgc	ccctgaccta	ctaggagacc	360
ctgacaacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatacgca	atcctacgat	cagttcccaa	taaacttgga	gg	472

<210> 85

<211> 472

<212> DNA

<213> *Orcaella brevirostris*

<400> 85

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tcccttacat	cggcactacc	ctagtagaat	gaatctgagg	tggtttttcc	gtagacaaag	120
caacactaac	acgttttttc	gccttccact	ttatcctccc	attcatcatc	acagcactag	180
taactgttca	cctactattc	ctacacgaaa	caggatccaa	caatcctaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	atcatacatt	taaagacatc	ctaggcgccc	300
tactcttaat	cttagtccta	ctaactactaa	ccctgttcac	ccccgaccta	ctaggagacc	360
ctgataacta	tactccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatacgcg	atcctacgat	caattccctaa	taaactcggg	gg	472

<210> 86

<211> 472

<212> DNA

<213> *Delphinus capensis*

<400> 86

tgccctgggg	acaaatatca	ttctgaggcg	caaccgcat	caccaacctc	ttatcagcaa	60
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caacattaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctagggtgct	300
tactccta	cttaacccta	ctagcactga	ccctattcac	tcagaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccactaa	gcacccctgc	acatatcaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcctacgat	caatccctaa	taaacttgga	gg	472

<210> 87

<211> 472

<212> DNA

<213> Delphinus tropicalis

<400> 87

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caacattaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctaggtgccc	300
tactccta	cttaaccctt	ctagcactga	ccctattcac	tcccgcaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccactaa	gcacccctgc	acatatcaaa	ccagaatgat	420
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<210> 88

<211> 472

<212> DNA

<213> Delphinus delphis

<400> 88

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caacattaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcactag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctaggtgcct	300
tactccta	cttaacccta	ctagcactaa	ccctattcac	tcccgcaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 89

<211> 472

<212> DNA

<213> Stenella clymene

<400> 89

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caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcatcatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaattccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctaggtgcct	300
tactccta	cttaacccta	ctagcactaa	ccctattcac	ccccgcaccta	ctaggagacc	360
ctgacaacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
actttctatt	cgcatatgca	atcttacgat	caatccctaa	taaacttgga	gg	472

<210> 90

<211> 472

<212> DNA

<213> *Stenella coeruleoalba*

<400> 90

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tcccttatat	tggcactacc	ttagtcgaat	gaatctgagg	tggattctcc	gtagacaaag	120
caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcattatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taacccaaca	ggaattccat	240
ccaatataga	cataattcca	ttccaccctt	attatacaat	taaagatatc	ctaggtgcct	300
tactccta	cttaacccta	ctagcactaa	ccctattcac	ccccgacct	ctaggagacc	360
ctgataacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcttacgat	caatccctaa	caaacttgga	gg	472

<210> 91

<211> 472

<212> DNA

<213> *Tursiops aduncus*

<400> 91

tgccctgagg	acaaatatca	ttctgaggcg	caaccgtc	caccaacctc	ttatcagcaa	60
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caacactaac	acgctttttc	gctttccact	ttatcctccc	gttcgctatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaatataga	cataatccca	tttcaccctt	attatacaat	caaagacatc	ctaggtgcct	300
tactccta	cttaacccta	ctagcactaa	ccctattcac	ccccgacct	ctaggaaacc	360
ctgataacta	tatcccagca	aatccactaa	gtacccccgc	acacatcaaa	ccagagtgat	420
actttctatt	cgcatacgca	atcttacgat	caatccctaa	taaacttgga	gg	472

<210> 92

<211> 472

<212> DNA

<213> *Stenella frontalis*

<400> 92

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caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcattatc	acagcattag	180
cagccgttca	cctactattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagacatc	ctaggcgcct	300
tactccta	cctaacccta	ctagcactaa	ccctattcac	ccccgacct	ctaggagacc	360
ctgacaatta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcttacgat	caatccctaa	taaacttgga	gg	472

<210> 93

<211> 472

<212> DNA

<213> *Sousa chinensis*

<400> 93

tgccctgagg	acaaatatca	ttctgaggcg	caaccgttat	caccaacctc	ctatcagcaa	60
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caacattaac	acgctttttc	gctttccact	ttatcctttc	cttcattatc	acagcattag	180

tagccggttca	cctgctattc	ctacacgaaa	caggatccaa	taaccctaca	ggaattccat	240
ccaacataga	cataatccca	tttcaccctt	attatacaat	caaagacatc	ctagggtgcct	300
tactccta	cttaacccta	ctagcactaa	ccctattcac	ccccgaccta	ctaggagacc	360
ccgataacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcttacggt	caatccctaa	taaacttgga	gg	472

<210> 94

<211> 472

<212> DNA

<213> *Stenella longirostris*

<400> 94

taccctgagg	acaaatatca	ttctgagggtg	caaccgtcat	caccaacctc	ctatcagcaa	60
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caacattaac	acgctttttc	gctttccatt	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attatacaat	caaagacatc	ctagggtggct	300
tactctta	cttaacccta	ctagcactaa	ccctattcac	ccctgactta	ctaggagacc	360
ctgataacta	taccccagca	aatccactaa	acacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcttacgat	caatccctaa	taaacttgga	gg	472

<210> 95

<211> 472

<212> DNA

<213> *Tursiops truncatus*

<400> 95

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caacattaac	acgctttttc	gccttccact	ttattcttcc	attcatcatc	acagcattgg	180
cagccgttca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagacatc	ctaggcgctt	300
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ctgataacta	caccccagca	aacccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcttacgat	caatccctaa	taagctcgga	gg	472

<210> 96

<211> 472

<212> DNA

<213> *Lagenorhynchus alborostris*

<400> 96

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caacactaac	acgcttcttc	gctttccact	ttatcctccc	attcatcatc	acagcactag	180
tagctgttca	cctactattt	ttacacgaga	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	tataattcca	ttccaccctt	attacacaat	caaagacatc	ctaggcgctt	300
tactttta	cctaacccta	ctagcactaa	ccctattttac	ccccgaccta	ctaggagatc	360
ccgataacta	taccccagca	aatccactaa	gcactcctgc	acacatcaaa	ccagaatggt	420
atttcctatt	cgcatacgca	atcctacgat	caatccctaa	caaacttgga	gg	472

<210> 97

<211> 472

<212> DNA

<213> *Steno bredanensis*

<400> 97

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tcctttacat	cggcactacc	ttggtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	atagcattag	180
caactgtcca	cctactattc	ctacacgaga	caggatccaa	caatcccaca	ggaatcccat	240
ccaacataga	tataatccca	ttccaccctt	attacacaat	caaagacatc	ctaggcgctt	300
tacttttaat	cctaacttta	ctagcactaa	ccctattcac	ccccgacctt	ctaggagacc	360
ccgacaacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatggt	420
atttcctatt	cgcatacgca	atcttacgat	caatccccaa	caaacttgga	gg	472

<210> 98

<211> 472

<212> DNA

<213> *Sotalia fluviatilis*

<400> 98

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caacactaac	acgttttttc	gccttccact	ttatcctccc	atttatcatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taatcccaca	ggaatcccat	240
ccaacataga	tataattcca	ttccaccctt	attacacaat	caaagatatc	ctaggcgctt	300
tactccta	cctgacccta	ctagcactaa	ccctattcac	ccccgacctt	ctaggagacc	360
ccgacaacta	tactccagca	aatccactta	acacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcttacgat	caatccctaa	taaacttgga	gg	472

<210> 99

<211> 472

<212> DNA

<213> *Delphinapterus leucas*

<400> 99

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caacactaac	acgtttcttc	accttccact	ttatcctccc	attcatcatt	acagcgctag	180
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cagacaatta	caccccagca	aacccactaa	acacccctgc	acacatcaaa	ccagaatggt	420
acttcctatt	tgcatacaca	atcctacgat	caatccccaa	caaactagga	gg	472

<210> 100

<211> 472

<212> DNA

<213> *Monodon monoceros*

<400> 100

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caacactaac	acgcttcttc	accttccact	ttatcctccc	attcatcatc	acagcactag	180
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ccaacataga	cataatcccc	ttccatccct	actacacaat	caaagacatg	ctaggcgctt	300
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ctgacaatta	taccccagca	aaccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccccaa	caaactagga	gg	472

<210> 101

<211> 472

<212> DNA

<213> *Platanista gangetica*

<400> 101

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caacactaac	acgattcttt	gcctttcact	tcatcctccc	tttcatcatc	ctaactactag	180
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ccgacactga	caaaatccct	ttccacccct	actacacaat	caaagacacc	ctaggcgccc	300
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ccgataacta	caccccagca	aaccgctta	ataccccagc	acatatcaaa	ccagagtgat	420
atttcctatt	tgcatacgca	atcttacggt	caatccccaa	taaactagga	gg	472

<210> 102

<211> 472

<212> DNA

<213> *Platanista minor*

<400> 102

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caacactaac	acgattcttt	gcctttcact	tcatcctccc	tttcatcatc	ctaactactag	180
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ccaacactga	caaaatccct	ttccacccct	actacacaat	caaagacacc	ctaggcgccc	300
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ccgataacta	caccccagca	aaccgctta	ataccccagc	acatatcaaa	ccagagtgat	420
atttcctatt	tgcatacgca	atcttacggt	caatccccaa	taaactagga	gg	472

<210> 103

<211> 472

<212> DNA

<213> *Kogia breviceps*

<400> 103

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ccacattaac	acgcttcttt	gcctttcact	tcatcctccc	ctttatcatc	ctagcactgg	180
caatgggtcca	cctcttattt	ctccacgaaa	caggatccaa	caaccccata	ggaatcccat	240
ccgacataga	caaaatccca	ttccacccct	actacacaat	caaggacatc	ttaggcgccc	300



tactgcta	at	ctcagcgcta	cttacattaa	ccctattcgc	accagaccta	ttaggagacc	360
ctgacaacta	caccccagca	aaccactaa	gcaccccggc	acacattaaa	ccagaatgat		420
atttcctatt	tgcatatgcc	atcctacgat	ccatccctaa	caaactaggg	gg		472

<210> 104

<211> 472

<212> DNA

<213> *Kogia simus*

<400> 104

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tcccttacat	cggcaccacc	ctagtggagt	gagttctgagg	tggcttctcc	gtggacaaag	120
ctacgcta	acgcttcttt	gctttccact	ttattctccc	cttcacatc	ctagcactag	180
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ccgacaacta	tacccagca	aaccactaa	gcaccccggc	acacattaaa	ccagaatgat	420
actttctatt	cgcatacgcc	attctacgat	caattccctaa	caaactggga	gg	472

<210> 105

<211> 472

<212> DNA

<213> *Physeter catodon*

<400> 105

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caacactgac	acgcttcttc	actctccact	tcattctccc	ctttatcacc	ctaactactaa	180
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ctgacaacta	cacccagca	aatccactaa	ataccccaac	acacatcaaa	ccagaatggt	420
atttcctatt	cgcgtacgcc	atcctacgat	ctgtcccaaa	taaactagga	gg	472

<210> 106

<211> 472

<212> DNA

<213> *Lipotes vexillifer*

<400> 106

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caacattaac	cgccttcttc	gctctccatt	tcattctccc	atttattatt	gtagcactaa	180
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ctaacaataga	caaaatccca	ttccaccct	accacacaat	taaagatatc	ttaggcgccc	300
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ctgataatta	tacccagca	aaccactaa	acactcccg	acacatcaaa	ccagaatgat	420
atttcctctt	cgcatacgca	attctacgat	caattcccaaa	taaattagga	gg	472

<210> 107

<211> 472

<212> DNA

<213> *Phocoena sinus*

<400> 107

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tcccttatat	cggcactact	ctagtgcgaat	gaatctgagg	tggtttttca	gtagataaaag	120
ccacactaac	acgcttcttt	gccttccatt	tcctcttcc	atctattatt	ttagccctag	180
cagccgtcca	cttactattt	ctccacgaaa	caggatctaa	taaccccaca	ggaatcccat	240
ccgatataga	caaaatccca	ttccaccctt	attacacaat	caaagacatc	ctaggagccc	300
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ccgataacta	taccccagca	aatccactca	gcaccccagc	acacattaag	ccagaatgat	420
acttcttatt	cgcatacgca	atcctacgat	caattcccaa	taaactagga	gg	472

<210> 108

<211> 472

<212> DNA

<213> *Berardius bairdii*

<400> 108

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ccacactaac	acgcttcttt	gccttccact	ttatctctcc	ttttatcatt	ctaaccctag	180
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ccgacaacta	taccccggca	aacccgctca	gcaccccac	acatattaag	ccagaatgat	420
acttcttggt	cgcatacgca	atctttagat	cagtccttaa	taaactaggg	gg	472

<210> 109

<211> 472

<212> DNA

<213> *Ziphius cavirostris*

<400> 109

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ccacactaac	acgcttcttt	gccttccatt	tcctcttcc	atctattatt	ttagccctag	180
cagccgtcca	cttactattt	ctccacgaaa	caggatctaa	taaccccaca	ggaatcccat	240
ccgatataga	caaaatccca	ttccaccctt	attacacaat	caaagacatc	ctaggagccc	300
tactattaat	cgtaattcta	ctcgactaa	ccctattcgc	acccgacctg	ctaggagacc	360
ccgataacta	taccccagca	aatccactca	gcaccccagc	acacattaag	ccagaatgat	420
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<210> 110

<211> 472

<212> DNA

<213> *Mesoplodon europaeus*

<400> 110

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ctgatataga	caaaatccca	ttccatcctt	actacacaat	caaagatatc	ctaggggctc	300
tactactaat	tctagcccta	ctcaccctaa	ccctattcgc	acccgacctg	ctaggagacc	360
ccgacaatta	caccccagca	aaccctacta	atactccagc	acacatcaaa	ccagaatgat	420
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<210> 111

<211> 472

<212> DNA

<213> Mesoplodon bidens

<400> 111

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ccgacaacta	taccccagca	aaccctacta	gcaccccgagc	ccacatcaaa	ccagagtggg	420
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<210> 112

<211> 472

<212> DNA

<213> Mesoplodon densirostris

<400> 112

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tactattaat	tctggcccta	cttatactaa	ccctatttgc	acctgacct	ctaggagacc	360
ccgataatta	tactccagca	aaccctacta	acactccagc	acacatcaaa	ccagagtggg	420
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<210> 113

<211> 472

<212> DNA

<213> Hyperoodon ampullatus

<400> 113

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tattactaat	cctagtccta	ctcacattaa	ccctattcgc	acccgacct	ctaggagacc	360
ctgataacta	taccccagca	aaccctacta	gcactccagc	acacatcaaa	ccagaatggg	420
actttctatt	tgcatacgca	atcctacgtt	caatccctaa	caaactagga	gg	472

<210> 114

<211> 472

<212> DNA

<213> *Hyperoodon ampullatus*

<400> 114

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ccacattaac	ccgctttttc	gccctccact	ttatcctccc	attcattatt	ctagccctag	180
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ctgataacta	taccccagca	aaccctactca	gcactccagc	acacatcaaa	ccagaatggt	420
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<210> 115

<211> 472

<212> DNA

<213> *Mesoplodon peruvianus*

<400> 115

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tattattaat	tatagtccta	cttatactaa	ccctatttgc	acctgaccta	ttaggagatc	360
ctgacaatta	cactccagca	aaccctactta	gcacccagc	acatattaaa	ccagaatgat	420
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<210> 116

<211> 472

<212> DNA

<213> *Pontoporia blainvillei*

<400> 116

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caacactaac	gogattcttc	gctttccatt	ttatccttcc	attcattatt	acagccctag	180
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ctaacataga	tgccatccca	tttcacccct	actacacaat	taaagatatc	ctagggggccc	300
tattaataat	cctaacaata	ctcacgctga	ctctattcac	ccctgaccta	ttaggagacc	360
cagacaacta	tatcccagca	aaccccatga	ataccccaga	gcacattaaa	ccagaatggt	420
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<210> 117

<211> 472

<212> DNA

<213> *Hippopotamus amphibius*

<400> 117

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ccacccttac	acgattcttt	gccttccact	ttattcttcc	attcgttatc	acagcactag	180
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cagacaacta	cacccccgca	aaccccttta	gcacaccacc	acacattaaa	ccagaatgat	420
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<210> 118

<211> 472

<212> DNA

<213> Hexaprotodon liberiensis

<400> 118

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ccacccttac	acgattcttt	gccttccact	ttattcttcc	attcatcatc	atagcactag	180
cgcgcgtcca	cctactgttt	ctccacgaaa	cagggtccaa	caacccaaca	ggaatcccct	240
caaacgcaga	caaaatccca	ttccaccctt	attacacaat	caaagatatc	ctgggcgtac	300
tacttcta	aacaatacta	ctcacactaa	ccttatttgc	cccagacctc	ctagggggacc	360
cagacaacta	cacccccgca	aaccccttta	gcacaccacc	acacatcaaa	ccagaatgat	420
atttcctggt	cgcatacgca	attctccgat	caatccctaa	caaactggga	gg	472

<210> 119

<211> 472

<212> DNA

<213> Rhinoceros sondaicus

<400> 119

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ctacccttac	ccgattcttt	gccttccact	tcattcttcc	ctttattatc	ctagctctag	180
cgatcaccca	cttactattc	ctacacgaaa	caggatccaa	taacccatca	ggaattccat	240
ctaacacaga	caaaattcca	tttcaccctt	actacacaat	caaagacatc	ctaggagccc	300
tgcttcta	tatagtatta	ctcaccctag	tcctattctc	ccctgacatc	ctagggggacc	360
cagacaacta	catcccagcc	aaccctctca	gcacccctcc	acatatcaaa	ccagaatggt	420
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<210> 120

<211> 472

<212> DNA

<213> Ceratotherium simum

<400> 120

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ccaacataga	caaaatccca	ttccaccctt	actacacaat	caaagacatc	ctgggaattt	300

tactccta	at	cctagc	acta	ctcgcc	ctag	ttctatt	ctc	accagac	atc	ctaggag	acc	360
ctgaca	aacta	cacccct	gcc	aatcct	tctca	gcactccc	cc	acatat	caaa	ccagaat	gat	420
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<210> 121

<211> 472

<212> DNA

<213> *Dicerorhinus sumatrensis*

<400> 121

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tcccata	cat	cggcacc	gac	cttgtag	aat	gaatctg	agg	gggattt	ctcc	gtagaca	aaag	120
ccaccct	cac	cgggttt	cttt	gctttcc	act	tcattct	ccc	cttcatc	atc	ctagccc	tag	180
caattacc	ca	cctgctat	tc	ctacatg	aaa	caggatc	caa	caacccat	ca	ggaatccc	at	240
ctaaca	taga	caaaatc	cca	tttcaccc	at	actatac	aat	caaagac	atc	ctaggag	ccc	300
tactttc	ta	cctagcc	cta	ctcaccct	ag	ttctatt	ctc	gcctgac	ctc	ctaggag	acc	360
cggaca	aacta	cacaccc	gcc	aaccctc	tca	gcacccct	cc	acacatta	aaa	ccagaat	ggt	420
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<210> 122

<211> 472

<212> DNA

<213> *Equus asinus*

<400> 122

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ccaccctt	ac	cggatttt	ttt	gccttcc	act	ttattct	acc	ctttatc	atc	acagccc	tgg	180
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cagaca	aacta	caccccag	ct	aacccctc	ta	gcactccc	cc	tcata	attaag	ccagaat	ggt	420
atttcct	tatt	tgcttac	gcc	atcctac	gct	ccattccca	aa	caaactag	gc	gg		472

<210> 123

<211> 472

<212> DNA

<213> *Babyrousa babyrusa*

<400> 123

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ttccctat	at	cggaacg	gac	ctcgtag	aat	ggatctg	agg	aggcttc	ctcc	gtcgata	aaag	120
caaccctc	ac	acgattt	cttt	gctttcc	act	ttattct	acc	cttcatc	atc	accgctc	tcg	180
caaccgt	taca	tctattat	tc	cttcacg	aaa	ctggatc	caa	taaccct	act	ggaatttc	at	240
cagatat	aga	caaaatc	cca	ttccaccc	ct	actata	ccat	taaagac	att	ctaggag	ccc	300
tactcata	at	tatagct	ctt	ctaatac	cctag	tactatt	ctc	accagat	cta	ctaggag	acc	360
cggaca	aacta	tactccag	ca	aaccact	aa	atacacc	acc	ccacatta	ag	ccagaat	gat	420
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<210> 124

<211> 472

<212> DNA

<213> *Phacochoerus africanus*

<400> 124

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caactctcac	acgattcttt	gccttccact	tcattttacc	ttttatcatc	gctgccctag	180
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cagacataga	caaaatccca	ttccacccat	actacaccat	taaagatatc	ctaggagccc	300
tattcataat	actaatcctg	ctaatecctag	tattattctc	cccagaccta	ctaggagacc	360
cagacaacta	taccccagca	aaccatttaa	acacaccacc	ccacatcaaa	ccagaatgat	420
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<210> 125

<211> 472

<212> DNA

<213> *Sus scrofa* haplotype EWB3

<400> 125

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caaccctcac	acgattcttc	gccttccact	ttatcctgcc	attcatcatt	accgccctcg	180
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cagacaacta	caccccagca	aaccacttaa	acacccacc	ccatattaaa	ccagaatgat	420
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<210> 126

<211> 472

<212> DNA

<213> *Sus barbatus*

<400> 126

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caacccttac	acgattcttc	gccttccact	ttatcctgcc	cttcgtcatt	accgccctcg	180
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cagacaacta	caccccagca	aaccacttaa	acacccacc	ccatattaaa	ccagaatgat	420
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<210> 127

<211> 472

<212> DNA

<213> *Lama glama*

<400> 127

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<210> 128

<211> 472

<212> DNA

<213> lama guanicoe

<400> 128

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ccgacaacta	tactcccgtc	aacccccctca	acacaccgcc	tcatattaaa	ccagaatgat	420
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<210> 129

<211> 472

<212> DNA

<213> Vicugna vicugna

<400> 129

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ccgacaacta	tacccccgct	aacccccctta	acacaccacc	ccacattaaa	ccagaatgat	420
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<210> 130

<211> 472

<212> DNA

<213> Camelus bactrianus

<400> 130

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atttcctatt cgcatacgct atcctacgat ccatacccaa caaattggga gg 472

<210> 131

<211> 472

<212> DNA

<213> *Arctocephalus forsteri*

<400> 131

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tcctactaat	cttgattcta	atattactag	taatatTTTT	accagatctg	ctgggagacc	360
cagacaacta	caccccagcc	aacccccctca	gcactccacc	acatatataa	cctgaatgat	420
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<210> 132

<211> 472

<212> DNA

<213> *Arctocephalus gazella*

<400> 132

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caaccctaac	acgattcttc	gcctttcact	ttattcttcc	cttcgtagta	tcagcactag	180
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ctgactcgga	caaaattcca	ttccacccat	attatacaat	taaagatatc	ctgggagccc	300
tcctactaat	cttaattcta	atattactag	taatatTTTT	accagatctg	ctaggagacc	360
cagacaacta	catcccagcc	aacccccctca	gtactccacc	acatatcaaa	cctgaatggt	420
atTTTctatt	cgcttatgcc	atTTTtacgat	ctatacccaa	caaactagga	gg	472

<210> 133

<211> 472

<212> DNA

<213> *Eumetopias jubatus*

<400> 133

ttcogtgagg	acaaatatca	ttctgaggag	caaccgtcat	taccaacctc	ctatcagcta	60
tcccctacat	cggaaccaac	ttagtagaat	gaatttgagg	gggattttca	gtcgacaaaag	120
caaccctaac	acgattcttc	gcctttcact	ttattctccc	cttcgtagca	tcagcactag	180
taatagtaca	cctattattc	ctacacgaaa	ctggatccaa	caatccatca	ggaatctcct	240
ccaactcaga	caaaattcca	ttccatccat	attacacaat	taaagatatc	ctgggaaccc	300
tcctactaat	cttaatccta	atactactag	taatatTTTT	accagacctg	ctgggagacc	360
cagacaacta	catcccagcc	aacccccctca	gcactccacc	acatatataa	cccgaatgat	420
atttcctatt	cgcttatgct	atTTTtacgat	ccatacccaa	caaattaggg	gg	472

<210> 134

<211> 472

<212> DNA

<213> *Zalophus californianus*

<400> 134

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caaccctaac	acgattcttt	gccttccact	ttattctccc	cttcatagca	tcagcactag	180
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tcctactaat	cttaacccta	atactactag	taatatcttc	accggacctg	ctgggagacc	360
cagacaacta	tattccagcc	aacccccctca	gcactccacc	acatattaaa	cctgagtgat	420
atttcctatt	cgcctatgct	atcttacgat	ccatccccaa	caaattaggg	gg	472

<210> 135

<211> 472

<212> DNA

<213> *Odobenus rosmarus*

<400> 135

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caaccctaac	acgattcctc	gccctccact	tcgttcttcc	attcatggca	ttagcactaa	180
cagcagtaca	cctactatct	ctccacgaaa	caggatctaa	caacccttcg	ggaatcctat	240
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tcattctaata	cctaactccta	atactactag	tactattctc	accagattta	ctgggagacc	360
cggacaatta	caccccagcc	aaccctctca	gcaccccacc	ccatatcaaa	cccgaatgat	420
atttcctatt	cgcctacgct	atcctccgat	ctattcccaa	caaactcggg	gg	472

<210> 136

<211> 472

<212> DNA

<213> *Phoca vitulina*

<400> 136

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caaccctaac	acgattcttc	gccttccact	tcactcctgcc	attcgtagta	tcagccctag	180
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ccaactcaga	caaaatccca	ttccacccgt	actatacaat	taaagatatc	ctagggggccc	300
tacttctcat	tctagtccctg	acactactag	tgctattctc	acccgacctg	ttaggagacc	360
cggacaacta	tatccctgcc	aatcccctaa	gcaccccacc	acatatcaaa	cctgaatggt	420
acttcctatt	tgcctacgca	atcttacgat	ccatccccaa	caaactagga	gg	472

<210> 137

<211> 472

<212> DNA

<213> *Phoca fasciata*

<400> 137

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caaccctaac	acgatttttc	gctttccact	ttatcctacc	atttgtagta	tcagcactag	180

cggcagttca	cctactattc	ctacacgaaa	caggatccaa	caacccctcc	ggaatcgtat	240
cggactcaga	caaaatccca	ttccacccat	actatacaat	taaagatatc	ctaggagccc	300
tactcctcat	cctagtccta	atactactag	tactattctc	acccgaccta	ctaggagacc	360
ccgacaacta	cacccctgcc	aaccccttaa	gcacccacc	acatatcaag	cccgaatgat	420
actttctatt	tgcctacgca	atcctacgat	caatccccaa	caaactagga	gg	472

<210> 138

<211> 472

<212> DNA

<213> *Phoca groenlandica*

<400> 138

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caaccctaac	acgatttttc	gccttccact	tcattcttacc	attcgtagta	ttagcactag	180
cggcagttca	tctactattc	ttacacgaaa	caggatccaa	caacccacc	ggaatcgtat	240
cggactcaga	caaaatcccg	ctccacccat	attatacaat	taaagatatc	ctaggagccc	300
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ccgacaacta	catccctgcc	aatcccttaa	gtacccacc	acatatcaag	cccgaatgat	420
actttttatt	tgcctacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 139

<211> 472

<212> DNA

<213> *Cystophora cristata*

<400> 139

taccgtgagg	acaaatatca	ttttgaggag	cgacagtcac	caccaaccta	ctatcagcaa	60
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caactctaac	acggtttttc	gccttccact	tcattcttacc	attcgtagta	tcagcactag	180
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ccgacaacta	taccctgcc	aaccccttaa	gtacccacc	acatatcaaa	cctgaatgat	420
acttcttatt	cgcctatgca	atcctacgat	ctatccccaa	caaactagga	gg	472

<210> 140

<211> 472

<212> DNA

<213> *Hydrurga leptonyx*

<400> 140

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caaccctaac	acgattcttc	gccttccact	ttatccttcc	cttcgtagta	tcagcactag	180
cagcagtaca	tctactattc	ttacacgaaa	caggatccaa	taacccctcc	ggaattccat	240
ccaactcaga	caaaatccca	tttcacccct	actacacaat	caaagacatc	ctaggagccc	300
tattcctcat	tctaacccta	atactactag	tattattctc	acccgaccta	ctaggagacc	360
ccgacaacta	tattcctgct	aaccccttaa	gcacccacc	acatatcaaa	cccgaatgat	420
atttcttatt	tgcctacgca	atcctacgat	ccattcccaa	taaactagga	gg	472

<210> 141

<211> 472

<212> DNA

<213> *Leptonychotes weddelli*

<400> 141

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ttccctacat	cggaaactgac	ttagtacaat	gaatctgagg	cggattttca	gttgacaaag	120
caaccctaac	acgattcttc	gccttccact	ttatccttcc	cttcgtagta	tcagcactag	180
cagcagtaca	tctactattc	ttacacgaga	caggatccaa	caaccctcc	ggaattccat	240
ctgactcaga	caaaatccca	tttcacccct	actacacaat	caaagacatc	ctaggagccc	300
tactcctcat	tctaacccta	atattactag	tattattctc	acccgacctg	ctaggagatc	360
ccgacaacta	tactcccgtc	aatcccctaa	gtactccacc	acatatcaaa	cccgaatgat	420
atttcctatt	tgccctacgca	atcttacgat	ccatccctaa	caaactagga	gg	472

<210> 142

<211> 472

<212> DNA

<213> *Mirounga leonina*

<400> 142

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caaccctaac	acgattcttc	gccttccact	ttatcctacc	attcgtagca	ctagcactag	180
cagcagtaca	tctactattc	ctacacgaaa	caggatccaa	caaccctct	ggaatcccat	240
ccgactcaga	caaaatccca	ttccacccat	actacacaat	caaagatatc	ttaggagccc	300
tacttcttat	tctaacccta	atactattag	tggtattctc	acccgactta	ttaggagacc	360
ccgacaacta	caccctgcc	aatcccctaa	gcacccacc	acatattaag	cccgaatgat	420
atttcctatt	tgccctacgca	atcctacgat	ctattcccaa	caaactagga	gg	472

<210> 143

<211> 472

<212> DNA

<213> *Erignathus barbatus*

<400> 143

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caaccctaac	acgattcttc	gccttccact	ttatcctacc	atttgtagta	ttagcattag	180
cagcagtcca	cctattattc	ctacacgaaa	caggatccaa	caaccctct	ggaatctcgt	240
ccgactcaga	taaaattcca	ttccacccat	actatacagt	caaggacatc	ttaggggcct	300
tacttcta	at	at	at	at	at	360
ccgacaacta	cactcccgtc	aaccccctaa	gcacccacc	acatattaag	cccgaatgat	420
atttcctatt	cgcctatgca	atcctacgat	ccatccccaa	caaacttgga	gg	472

<210> 144

<211> 472

<212> DNA

<213> *Monachus schauinslandi*

<400> 144

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caaccctaac	acgattcttc	gctttccatt	ttattatacc	cttcatagta	ttagcactag	180
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ctgacaacta	catccctgcc	aaccctttaa	acactccacc	acacattaaa	cccgaatgat	420
acttcttatt	cgcctacgca	atcctacgat	ctatccccaa	taaactagga	gg	472

<210> 145

<211> 472

<212> DNA

<213> *Helarctos malayanus*

<400> 145

taccctgagg	ccaaatgtcc	ttctgaggag	caactgtcat	taccaatctc	ttatcagcca	60
tcccttatat	tggaaacggac	ctagtagaat	gagtctgagg	aggcttttcc	gtagacaagg	120
cgactctaac	acgattcttt	gccttccact	ttatccttcc	gttcatcatc	ttggcactaa	180
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tacttcttac	cctagcccta	acaaccctag	ttctattctc	gcccgactta	ctaggagacc	360
ctgacaacta	catccccgca	aatccattga	gcacccacc	ccacatcaaa	cccgaatggt	420
actttctatt	tgcctacgct	atcctacgat	ccatccctaa	taaactagga	gg	472

<210> 146

<211> 472

<212> DNA

<213> *Selenarctos thibetanus*

<400> 146

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caaccctaac	acgattcttt	gctttccact	ttatccttcc	gttcatcatc	ctagcactag	180
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ctgataacta	tacccccgca	aaccactga	gcacccacc	ccacatcaaa	cccgaatgat	420
actttttatt	tgcctacgct	atcctacgat	ccatccccaa	caaactagga	gg	472

<210> 147

<211> 472

<212> DNA

<213> *Ailurus fulgens*

<400> 147

tgcctgagg	acagatatca	ttctgaggag	caaccgttat	caccaaccta	ctatcagcca	60
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caactctaac	tcgattcttc	gccttccact	tcattcttcc	atthtatcatt	gcaacactag	180
caactatcca	tctcttatth	ctacatgaaa	caggatctaa	taacccctca	ggcatcccat	240
ccaactcaga	caaaattcca	ttccatccct	attatacaat	taaagatatc	ttggcgctc	300
tactccttat	cctaattctc	atgacattag	tactattctt	acctgacttg	cttgggtgatc	360

ctgataacta	tattccccgct	aacc cattaa	gcacaccacc	ccatattaaa	cctgagtggt	420
atttcctatt	cgcatatgca	attctacgat	ccatccccaa	caaactagga	gg	472

<210> 148

<211> 472

<212> DNA

<213> *Felis catus*

<400> 148

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ccaccctaac	acgattcttt	ggcttccact	tcattcttcc	attcattatc	tcagccttag	180
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cagacaacta	catcccagcc	aaccctttta	atacccttcc	ccatattaaa	cctgaatgat	420
acttcctatt	cgcatatgca	attctccgat	ccatccctaa	caaactaggg	gg	472

<210> 149

<211> 472

<212> DNA

<213> *Canis familiaris*

<400> 149

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caaccctaac	acgattcttt	gcattccatt	tcattctccc	tttcatcatc	gcagctctag	180
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cagataacta	cacccttgca	aaccctctaa	acacccttcc	acatattaaa	cctgagtgat	420
attttctatt	cgctatgct	atcctacgat	ccatttctaa	taaattagga	gg	472

<210> 150

<211> 472

<212> DNA

<213> *Talpa europaea*

<400> 150

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cgacactcac	acgattcttc	gccttccact	tcattctgcc	atttattatt	gcggcactag	180
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cagacaatta	catcccggca	aaccggctaa	acacaccacc	ccatattaaa	cccgaatggg	420
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<210> 151

<211> 472

<212> DNA

<213> *Glaucomys sabrinus*

<400> 151

taccctgagg	acaaatatct	ttctgaggag	ccaccgtcat	caccaacctt	ctctcagcta	60
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cagacaacta	taccccagcc	aaccactca	acaccctcc	ccacatcaaa	ccagaatgat	420
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<210> 152

<211> 472

<212> DNA

<213> *Glaucomys volans*

<400> 152

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ttccttatat	tgggtacaaca	cttgtagaat	gaatctgagg	gggcttctct	gttgataaag	120
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taatccttat	cttaatcttc	ataaccctag	ttctcttcac	cccggatctt	ctaggagacc	360
cagacaacta	tactccagcc	aaccactca	acggccctcc	ccatatcaag	ccagagtgat	420
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<210> 153

<211> 472

<212> DNA

<213> *Hylopetes phayrei*

<400> 153

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ctaccctaac	ccgattcttc	gcattccact	ttgtgctgcc	ctttattatt	gcagcactag	180
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ctgacaacta	cacccccgcc	aaccactta	acaccctcc	tcatattaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcctacgat	ctattcccaa	taaattagga	gg	472

<210> 154

<211> 472

<212> DNA

<213> *Petinomys setosus*

<400> 154

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ccgattcaga	caaattccca	tttcacccat	actattcaat	taaagatctc	ctagggggccc	300
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ctgacaacta	cacccccgcc	aacccactta	acacccctcc	tcatattaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcctacgat	ctattcccaa	taaattagga	gg	472

<210> 155

<211> 472

<212> DNA

<213> *Belomys pearsonii*

<400> 155

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caaccctaac	acgattcttc	gcattccact	ttatcttacc	atttatcgta	gcagcccttg	180
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ctgacaacta	tactccggcc	aatccactta	acacccctcc	ccacattaaa	ccagaatgat	420
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<210> 156

<211> 472

<212> DNA

<213> *Pteromys momonga*

<400> 156

taccctgagg	acaaatatca	ttctgaggcg	ccactgtcat	caccaacctg	ctatccgcca	60
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ctaccctaac	acgattcttt	gcattccact	ttgtcctccc	cttcattatc	gcagccctag	180
caatagttca	cctacttttc	cttcacgaaa	caggggtccaa	caacccatct	ggacttacct	240
ccgaatccga	caaaatccca	ttccacccct	acttcacaat	taaagacatt	ttaggagcac	300
ttctccttgg	cctcctattc	ataatcttag	tcctctttac	tcagacctc	cttggagacc	360
ccgacaacta	taccccagcc	aacccctca	acactccccc	tcatatcaaa	ccagagtgat	420
atttcctatt	cgcataatgct	atcttacgat	ctatccctaa	caaactaggc	gg	472

<210> 157

<211> 472

<212> DNA

<213> *Galagoides demidoff*

<400> 157

ttocatgagg	ccaaatatca	ttctgagggtg	ctaccgtaat	cactaacctg	ctctcagcta	60
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ctacccttac	ccgattcttt	gctttccact	ttatcctccc	atttatcatt	acagcaatag	180
tcataatcca	cctcctattc	cttcacgaaa	caggatcaaa	caacccctca	ggacttccat	240
cagactcaga	caaaatcccc	tttcacccct	attacataat	caaggatctc	ctaggactga	300
ttattctctt	actaactctg	ttctccctag	taatattctc	cccggaacctg	ctaggagacc	360
ctgacaacta	cacccccgcc	aaccccttaa	acacccacc	acatatcaaa	ccagagtgat	420
atttcctatt	tgcctacgcc	atcctacgat	ctatccccaa	caaactagga	gg	472



<210> 158

<211> 472

<212> DNA

<213> *Perodicticus potto*

<400> 158

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ctaccctaac	acgattcttc	gccttcact	tcatcctccc	ctttattatc	acagcactag	180
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cagaatcaga	caaaatcccc	ttccaccctt	actacaccac	caaagactta	ctaggagcca	300
tctttcttct	actaatccta	ctcaccctag	tcctattctc	cccagaccta	ttaggagacc	360
ctgacaacta	caccccagcc	aaccccctaa	acaccccacc	acatatcaaa	ccagaatggt	420
actttctatt	cgcctacgcc	atcttacgat	ccatcccaaa	caaactggga	gg	472

<210> 159

<211> 472

<212> DNA

<213> *Galago matschiei*

<400> 159

tcccatgagg	acaaatatca	ttctgaggcg	ctaccgtaat	cacaaatctc	ctctccgcaa	60
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ccacccttac	tcgattcttc	gcttttact	tcatcctacc	tttcattatt	gcagccctag	180
ccataattca	ccttcttttt	ctacatgaaa	caggatcaaa	caacccttca	ggaatctcat	240
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tcttcttact	actatgccta	ttctctctag	tactattttc	ccccgatctg	ttaggagacc	360
cagacaattt	taccccgcgt	aatcccttaa	acaccccacc	acacatcaaa	ccagaatgat	420
acttcttatt	tgcttatgcc	atccttcgat	caattcccaa	caaactagga	gg	472

<210> 160

<211> 472

<212> DNA

<213> *Galago moholi*

<400> 160

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ctactcttac	cggatttttc	gcttttact	tcatcctgcc	tttcatcatc	gcggccctag	180
ccataattca	tcttcttttt	ttacatgaaa	cagggtcaaa	taacccttcg	ggaatctcat	240
cagactccga	caaaatcccc	ttccaccctt	actacacaa	taaagaccta	ctaggagcaa	300
tcctcttact	attatcccta	ttctctctag	tactattctc	ccctgacctg	ctgggagacc	360
cagacaatta	tatccctgcc	aaccccctaa	acaccccacc	acatattaaa	ccagaatgat	420
acttcttatt	tgccctacgcc	atccttcgat	caatcccaaa	caaactagga	gg	472

<210> 161

<211> 472

<212> DNA

<213> *Otolemur garnettii*

<400> 161

tcccatgagg	acaaatgtca	ttctgaggcg	caaccgtaat	tacaaatctc	ctctcagcaa	60
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caaccctcac	ccgggttttt	gctttccact	ttatcctgcc	tttcatcatc	gcagccctag	180
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cagactctga	caaaatcccc	ttccaccctt	attacacaat	taaagacctt	ctaggggcta	300
tcctcctcct	tctaacccta	ttctccctag	tcctattctc	ccccgacctt	ctaggagacc	360
cagacaacta	cacccttgcc	aaccctctaa	acacaccgcc	ccatatcaaa	cccgaatgat	420
atttcctatt	tgcttatgct	atcttacgat	ccatcccaaa	taaactagga	gg	472

<210> 162

<211> 472

<212> DNA

<213> *Loris tardigradus*

<400> 162

tcccatgagg	acaaatatca	ttctgaggag	ccacagtaat	taccaaccta	ctatcagcaa	60
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caaccctcac	acgattcttc	gcctttcact	tcatccttcc	attcatcatc	acagcattaa	180
ctgcaattca	cctacttttc	ctacacgaat	caggatcaaa	taaccatcc	ggaataacat	240
cagactctga	caaaatcccc	tttcaccctt	actacacatt	aaaagatatt	ctaggagtaa	300
ttgctctctt	aatcacctta	tcaactctag	ttctattctc	ccctgacctt	ttaggagacc	360
ccgataatta	cacaccagct	aaccctttaa	acacccacc	ccacatcaaa	ccagaatggt	420
atttcctatt	cgcatacgca	atcctacgat	caatcccaaa	taaactaggt	gg	472

<210> 163

<211> 472

<212> DNA

<213> *Nycticebus coucang*

<400> 163

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ccacactcac	acgattcttc	gcctttcact	ttatcctccc	cttcatcgtc	gctgctctag	180
ttgtgattca	cctcatcttt	ctacatgaaa	caggctcaaa	taatccatca	ggaatctcat	240
cagactcaga	taagattcca	tttcaccctt	actactcact	taaagacctc	ctaggagtgg	300
ttttcctatt	agcaacccta	tctattctag	tcttattctc	ccctgacctc	ctaggagacc	360
ccgacaacta	tacccccgcc	aaccctttag	tcacccctcc	acatatcaaa	ccagaatgat	420
attttctatt	cgcctacgcc	atccttcgat	caatcccaaa	caaactagga	gg	472

<210> 164

<211> 472

<212> DNA

<213> *Mus musculus*

<400> 164

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ccaccttgac	ccgattcttc	gctttccact	tcactttacc	atttattatc	gcggccctag	180
caatcgttca	cctcctcttc	ctccacgaaa	caggatcaaa	caacccaaca	ggattaaact	240
cagatgcaga	taaaattcca	tttcaccctt	actatacaat	caaagatatc	ctaggatatcc	300

taatcatatt	cttaattctc	ataaccctag	tattatTTTT	cccagacata	ctaggagacc	360
cagacaacta	cataccagct	aatccactaa	acacccccacc	ccatattaaa	cccgaatgat	420
atttcctatt	tgcatagcc	attctacgct	caatccccaa	taaactagga	gg	472

<210> 165

<211> 472

<212> DNA

<213> Gorilla gorilla

<400> 165

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tcccgtagat	cggaacagac	ctagtccaat	gagtttgagg	tgggttactca	gtagatagcc	120
ctacccttac	acgattcttt	accttccact	ttatcctacc	cttcatcatc	acagccctaa	180
caaccctcca	tctcctatTT	ctacacgaaa	caggatcaaa	caaccctcta	ggcatccct	240
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tctcttttct	cctgaccttg	ataacattaa	cactattctc	accagacctc	ctaggagacc	360
cagacaacta	caccttagcc	aaccccttaa	gcacccccacc	ccacatcaaa	cccgaatgat	420
atttcctatt	tgctacgca	attctccgat	ctgtccccaa	taaactagga	gg	472

<210> 166

<211> 472

<212> DNA

<213> Homo sapiens sapiens

<400> 166

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tcccatacat	tgggacagac	ctagttcaat	gaatctgagg	aggctactca	gtagacagtc	120
ccaccctcac	acgattcttt	acctttcact	tcattctgcc	cttcattatt	gcagccctag	180
caacactcca	cctcctattc	ttgcacgaaa	cgggatcaaa	caaccccccta	ggaatcacct	240
cccattccga	taaaatcacc	ttccacccct	actacacaat	caaagacgcc	ctcggcttac	300
ttctcttctt	tctctcctta	atgacattaa	cactattctc	accagacctc	ctaggcgacc	360
cagacaatta	taccctagcc	aaccccttaa	acacccctcc	ccacatcaag	cccgaatgat	420
atttcctatt	cgctacaca	attctccgat	ccgtccctaa	caaactagga	gg	472

<210> 167

<211> 472

<212> DNA

<213> Dugong dugong

<400> 167

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tcccctacat	cggcaccaac	ctagtccaat	gagtttgagg	gggattctca	gtagacaaag	120
ccaccctcac	ccgattcttc	gccctacact	tcattcctacc	cttcatcgta	accgccctag	180
taatagtcca	cttactattc	ctccacgaaa	caggctccaa	caacccccacg	ggactgatct	240
ccgactcaga	caaaatccca	ttccacccat	attattcagt	caaagacctc	ctaggcctat	300
tctctctcat	tctagtctta	ctcctactaa	ccctgttctc	cccggacata	ctgggagacc	360
cagacaacta	cacaccagcc	aacccactaa	acacccctcc	ccacattaaa	ccagaatgat	420
actttctatt	ccgatacgct	atcctccgat	ctatccctaa	taaactaggc	gg	472

<210> 168

<211> 472

<212> DNA

<213> *Elephas maximus*

<400> 168

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caaccttaaa	cggattcttc	gccttcatt	tcctcctcc	atttactata	ggtgcactag	180
caggagtga	cctaaccctt	cttcacgaaa	caggctcaaa	caaccacta	ggtctcactt	240
cagactcaga	caaaattccc	tttcacccgt	actatactat	caaagacttc	ctagggtac	300
ttatccta	tttactcctt	ctactcttag	ccctactatc	tccagacata	ctaggagacc	360
ctgacaacta	cataccagct	gatccactaa	atactccct	acacatcaaa	ccagagtgat	420
acttcctttt	tgcttacgcc	attctacgat	ctgtacccaa	caaactagga	gg	472

<210> 169

<211> 472

<212> DNA

<213> *Afropavo congensis*

<400> 169

tcccatgagg	ccaaatatca	ttctgagggg	caactgtcat	cacaaaccta	tactcagcaa	60
tcccttatat	tggtcaaacc	ctagtagaat	gggcctgagg	aggattctca	gttgacaacc	120
caaccctcac	cggattcttc	gccctacact	ttctctccc	ctttctaatt	gcggaatta	180
caattatcca	cctcacattc	cttcatgaat	caggctcaaa	caaccactg	ggcatctcat	240
ccaattcaga	taaaatccca	ttccacccgt	actactccct	caaagatata	ctaggcttag	300
cactcatgct	cattccattc	ctgacactag	ccctactctc	ccccaacctc	ttaggtgatc	360
cagaaaactt	caccccagca	aaccctctag	taactccccc	acacattaaa	ccagaatggt	420
atttcttatt	tgccatagcc	atccttcgct	caatcccaaa	caaactagga	gg	472

<210> 170

<211> 472

<212> DNA

<213> *Pavo muticus*

<400> 170

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tcccttatat	tggtcaaacc	ctagtagaat	gagcctgagg	gggattctca	gtcgacaacc	120
caaccctcac	cggattcttc	gccctacact	ttctcctccc	ctttgtaata	gcaggaatta	180
caattatcca	cctcacattc	ctccatgaat	caggctcaaa	taatccacta	ggcatctcat	240
ccaactcaga	caaaattccg	ttccacccat	actactccct	caaagatata	ctaggcttaa	300
ctcttatatt	tatcccattc	ctaactactag	ccctattctc	ccccaatctc	ctagggtgacc	360
cagaaaactt	taccccagca	aaccccttag	taacccccc	gcacattaaa	ccagaatgat	420
acttcttatt	tgccatagcc	atccttcgct	caatcccaaa	caaactagga	gg	472

<210> 171

<211> 472

<212> DNA

<213> *Tragopan blythii*

<400> 171

tcccatgagg	acaaatatca	ttttgagggg	ctaccgtcat	cacaaactta	ttctcagcaa	60
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caaccctcac	tcgattcttc	gccctacact	tcctcctccc	atttgtaatc	gcaggaatta	180
ccatcatgca	cctcatcttc	ttacatgaat	caggctctaa	taaccctactg	ggcatctcat	240
ctaactctga	caaaatccca	ttccaccctg	actactccct	caaagatatc	ctgggtctaa	300
cactcatgct	cacccccctc	ctcacactag	cattattctc	accgaacctta	ttaggcgacc	360
cagaaaactt	caccccagca	aaccctactag	taaccctctc	ccatatcaaa	ccagaatgat	420
acttcttatt	cgcttatgcc	atcctgcgct	caatcccaaa	caaacttggg	gg	472

<210> 172

<211> 472

<212> DNA

<213> Tragopan satyra

<400> 172

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tcccatacat	tggccaaacc	ctagtagaat	gagcctgagg	cggttttca	gttgacaatc	120
caaccctcac	ccgattcttc	gccctacact	tcctcctccc	atttgtaatc	gcaggaatta	180
ctatcatata	cctcatcttc	ttacatgaat	caggctctaa	taaccctactg	ggcatctcat	240
ccaactctga	caaaatccca	tttcatccat	actactccct	caaggatatc	ctaggcctaa	300
cactcatgct	cacccccctc	ctcacactag	ccttattctc	accaaacctta	ctagggtgatc	360
cagaaaactt	caccccagca	aaccctactag	taaccctctc	ccatattaaa	ccagaatgat	420
acttcttatt	cgcttacgcc	atcctacgct	caatcccaaa	caaacttgga	gg	472

<210> 173

<211> 472

<212> DNA

<213> Tragopan caboti

<400> 173

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caacccttac	ccgattcttt	gccctacact	tcctcctccc	atttgtaatc	gcaggaatca	180
ccatcatcca	cctcatcttc	ctacatgaat	caggctctaa	caaccctctg	ggcatctcat	240
ctgactctga	caaaatccca	ttccaccctg	actactccct	caaagatatc	ctgggcctaa	300
cactcatact	cactcctctc	ctcacactag	ccttattttc	accaaacctta	ctagggtgacc	360
cagaaaactt	caccccagca	aaccctattg	taactcctcc	ccatatcaag	ccagaatggt	420
atttctctgt	cgcttatgcc	atcctacgct	caatcccaaa	caaactcgga	gg	472

<210> 174

<211> 472

<212> DNA

<213> Tragopan temminckii

<400> 174

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caacccttac	ccgattcttt	gccctacact	tcctcctccc	atttgtaatc	gcaggaatta	180
ccatcatcca	cctcatcttc	ctacatgaat	caggctcaaa	caaccctcta	ggcatctcat	240
ctaactctga	caaaatccca	ttccaccctg	actactccct	caaagatatc	ctaggcctaa	300
cactcatact	cactccccctc	ctcacactag	ccttattttc	accaaacctta	ctagggtgatc	360
cagaaaactt	caccccagca	aaccctactag	taactcctcc	ccatatcaaa	ccagaatgat	420

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<211> 472

<212> DNA

<213> Argusianus argus

<400> 175

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ccacccttac	ccgattcttt	gctctacatt	tcctcctacc	cttcgtaatc	gcaggaatca	180
ccatcatcca	cctcacattc	ctacacgaat	caggctcaaa	caaccacta	ggcatctcat	240
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cactcatact	cgctccattc	cttacactaa	ccctattcta	cccaaaccta	ctaggtgacc	360
cagaaaactt	caccccagca	aaccattag	taactccacc	ccacatcaag	ccagaatgat	420
acttcttatt	cgcttatgcc	atcctacgct	caatcccaaa	caaactagga	gg	472

<210> 176

<211> 472

<212> DNA

<213> Catreus wallichi

<400> 176

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caactctcac	ccgattcttc	gccctgcact	tcctccttcc	cttcgtaatt	gcaggaatca	180
ccatcaccca	tctcatattc	ctacatgaat	caggctcaaa	taaccccta	ggcatctcat	240
ctaactccga	caaaatccca	ttccacccat	actactccct	caaagatata	ctaggcctag	300
cacttatatt	caccccatc	ctaactactag	ccctattctc	accaaactct	ctgggcgacc	360
cagaaaactt	caccccagca	aatccattag	taacccacc	acacattaata	ccagaatggt	420
acttcttatt	tgcctacgct	atcctacgct	caatcccaaa	taaactcgga	gg	472

<210> 177

<211> 472

<212> DNA

<213> Crossoptilon crossoptilon

<400> 177

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caaccctcac	ccgattcttc	gccctacact	tcctcctccc	cttcgtaatt	gcaggaatta	180
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ctaattccga	caaaatccca	ttccacccct	actactccct	caaagacatc	ctaggcctag	300
cacttatact	caccccatc	ctaactactag	ccctattctc	acctaactct	ctgggcgacc	360
cagagaactt	caccccagca	aaccactag	taacccccc	tcacattaata	ccagaatgat	420
acttcttatt	tgcctatgct	atcctgcgct	caatcccaaa	taaactcgga	gg	472

<210> 178

<211> 472

<212> DNA

<213> *Syrnaticus reevesi*

<400> 178

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caaccctcac	cggattcttc	gcccttcact	ttctcctacc	cttcgtaatc	acaggaatca	180
ccatcacaca	tcttatgttc	ctacacgaat	caggctcaaa	caacccta	ggcatttcat	240
ctaactctga	caaaatcccc	tttcacccat	actactctct	caaagatatc	ctaggcctag	300
cacttatact	caccccattc	ctcacactag	ccctattctc	acctaacctg	ctaggcgacc	360
cagaaaactt	caccccagca	aaccactag	taacccctcc	tcacattaaa	ccagaatgat	420
acttctatt	tgcctacgcc	atcctacgct	caatcccaaa	caaactgggg	gg	472

<210> 179

<211> 472

<212> DNA

<213> *Bambusicola thoracica*

<400> 179

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ttccctacat	cggacaaaacc	ctagtagaat	gagcctgggg	gggattctca	gtagacaacc	120
caactctcac	cggattcttc	gccttacact	tcctactccc	cttcgtaatc	gcaggaatta	180
ccattatcca	cctcacattc	ttacacgaat	caggatcaaa	caaccccccta	ggcatctcat	240
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cccttatatt	catcccattc	ctgacactag	ccctattctc	ccctaacctc	ctaggagacc	360
cagaaaactt	caccccagca	aaccactag	taacccctcc	acacatcaaa	ccagagtggg	420
acttctatt	cgcgtatgct	atcgtacgat	caatcccaaa	caaactcgga	gg	472

<210> 180

<211> 472

<212> DNA

<213> *Francolinus francolinus*

<400> 180

tcccatgagg	ccaaatatca	ttctgagggg	ctaccgtcat	tacgaaccta	ttctcagcaa	60
ttccctacat	tggaacaaacc	ttagtagagt	gagcctgagg	gggattctca	gtagataacc	120
caaccctcac	cggattcttc	gccctacact	tccttctccc	cttcgtaatt	gcaggaatca	180
ctatcatcca	cctcacattt	ctgcacgaat	caggctcaaa	caaccccccta	ggcatctcat	240
ctgactctga	caaaatcccc	ttccacccat	actacacctc	caaagacatc	ctaggcctaa	300
cccttatatt	catccctctc	cttacactag	ccctattctc	ccccaacctc	ctaggcgacc	360
ccgaaaactt	caccccagca	aaccactag	taactcctcc	ccacatcaaa	ccagaatgat	420
acttctatt	tgcctacgcc	atcctacgct	caatcccaaa	caaactcgga	gg	472

<210> 181

<211> 472

<212> DNA

<213> *Ithaginis cruentus*

<400> 181

taccatgagg	acaaatatca	ttctgaggag	ccactgtaat	cacaaaccta	ctctcagcaa	60
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ttccctacat	cggccaaact	ctggtagaat	gagcttgagg	aggatttttca	gtagacaacc	120
caaccctcac	cggattcttc	gccctacact	ttctcctccc	cttcgcaatc	gcaggaatta	180
ctgtcatcca	ccttacactc	ctccacgaat	cagggttcaaa	taaccacta	ggcatctcat	240
ctaactctga	caaaatccca	tttcacccat	actactccct	caaagacatc	ctaggcctag	300
cacttatact	catccccttt	cttacactag	tcctattttc	ccccaacctc	ctaggagatc	360
cagaaaactt	tagtccagca	aaccccctag	taacccacc	ccatattaaa	ccagaatgat	420
acttcctatt	tgcctacgct	attctacgct	caatccccaa	taaacttgga	gg	472

<210> 182

<211> 472

<212> DNA

<213> *Anthropoides paradisea*

<400> 182

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tcccatatat	cggccaaacc	cttgtagaat	gagcttgagg	gggtttctca	gtagacaatc	120
ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatt	atgggcctca	180
ccctaatacca	cctcaccttc	cttcacgagt	cgggtcmeta	caaccccccta	ggcattgtat	240
caaactgcca	taaaatccca	ttccacccct	atttttcctt	aaaagatatc	ctaggattca	300
tactcatact	actcccactc	ataaccctag	ctctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
atttcttatt	tgcgtatgcc	atcctacggt	caattccaaa	caaactagga	gg	472

<210> 183

<211> 472

<212> DNA

<213> *Anthropoides virgo*

<400> 183

taccatgggg	acaaatgtca	ttttgagggg	ctacagttat	caccaatctc	ttctcagccg	60
tcccatacat	cggccaaacc	cttgtagaat	gagcttgagg	gggtttttca	gtagataatc	120
ccacattaac	tcgattcttc	acgttacact	tcctccttcc	attcataatt	atgggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggtcmeta	caaccccccta	ggcatcgtat	240
caaactgcca	taaaatccca	ttccacccct	atttttcctt	aaaagatatc	ctaggattca	300
tactcatact	actcccactc	ataaccctag	ctctattctc	accaaactta	ctaggagacc	360
cagaaaactt	ccccccagca	aatcccctag	tcacacctcc	ctatatcaaa	ccagaatgat	420
atttcttatt	tgcatacgcc	atcctacggt	caattccaaa	caaactagga	gg	472

<210> 184

<211> 472

<212> DNA

<213> *Grus antigone antigone*

<400> 184

taccatgagg	acaaatatca	ttttgagggg	ctacagtcac	caccaatctc	ttctcagccg	60
ttccctacat	cggccaaacc	cttgtagaat	gagcttgagg	gggtttctca	gtagacaatc	120
ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggtcmeta	caaccccccta	ggcatcgtat	240
caaactgcca	taaaatccca	ttccacccct	acttttcctt	aaaagatatc	ctaggattca	300
cactcatact	acttccactc	ataaccctag	ccttattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	tcatatcaag	ccagaatgat	420
actttttatt	tgcatacgcc	atcctacggt	caatcccaaa	caaactagga	gg	472



<210> 185

<211> 472

<212> DNA

<213> *Grus antigone gillae*

<400> 185

taccatgagg	acaaatatca	ttttgagggg	ctacagtcac	caccaatctc	ttctcagccg	60
tcccctacac	cggccaaacc	cttgtagaat	gagcttgagg	gggcttctca	gtagacaatc	120
ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggtcctca	caacccccct	ggcatcgtat	240
caaaactgcga	taaaatccca	ttccacccct	acttttctct	aaaagatatc	ctaggattca	300
cactcatact	acttccactc	ataaccctag	ccctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	ccatatcaag	ccagaatgat	420
actttttatt	tgcatacgcc	atcctacggt	caatcccaaa	caaactagga	gg	472

<210> 186

<211> 472

<212> DNA

<213> *Grus antigone sharpei*

<400> 186

taccatgagg	acaaatatca	ttttgagggg	ctacagtcac	caccaatctc	ttctcagccg	60
tcccctacag	cggccaaacc	cttgtagaat	gagcttgagg	gggcttctca	gtagacaatc	120
ccacattaac	tcgattcttc	actttacact	tcctccttcc	cttcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggttcaaa	caacccccct	ggcatcgtat	240
caaaactgcga	taaaatccca	ttccacccct	acttttctct	aaaagatatc	ctaggattca	300
cactcatact	acttccactc	ataaccctag	ccctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	ccatatcaag	ccagaatgat	420
actttttatt	tgcatacgcc	atcctacggt	caatcccaaa	caaactagga	gg	472

<210> 187

<211> 472

<212> DNA

<213> *Grus leucogeranus*

<400> 187

taccatgagg	acaaatatca	ttttgagggg	ctacagtcac	caccaatctc	ttctcagccg	60
tcccctacac	cggccaaacc	cttgtagaat	gagcttgagg	gggcttctca	gtagacaacc	120
ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggtcctca	caacccccct	ggcatcgtat	240
caaaactgcga	taaaatccca	ttccacccct	acttttctct	aaaagatatc	ctagggttca	300
tactcatact	acttccactc	ataaccctag	ccctattctc	accaaactta	ctaggagacc	360
cagaaaactt	cactccagca	aaccccctag	taacaccccc	acataattaaa	ccagaatgat	420
acttcctatt	tgcatacgcc	atccgacggt	caatcccaaa	caaactagga	gg	472

<210> 188

<211> 472

<212> DNA

<213> *Grus canadensis pratensis*

<400> 188

tgccatgagg	acaaatatca	ttctgagggg	ctacagtcac	taccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gggcttgagg	gggctttctca	gtagacaatc	120
ccacattaac	ccgattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggctcaaa	caacccccta	ggcattgtat	240
caaactgcca	taaaatccca	ttccaccctt	atTTTTcctt	aaaagatatc	ctaggggttca	300
tactcatact	acttccactc	ataaccctag	ctctatTTTc	accaaaactta	ctaggagacc	360
cagaaaactt	caccccagca	gaccccttag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actTTTTtatt	tgccctacgcc	atcttacgct	caatcccaaa	caaactagga	gg	472

<210> 189

<211> 472

<212> DNA

<213> *Grus canadensis rowani*

<400> 189

tgccatgagg	acaaatatca	ttctgagggg	ctacagtcac	taccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gggcttgagg	gggctttctca	gtagacaatc	120
ccacattaac	ccgattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggctcaaa	caatccccta	ggcattgtat	240
caaactgcca	taaaatccca	ttccaccctt	atTTTTcctt	aaaagatatc	ctaggggttca	300
tactcatact	acttccactc	ataaccctag	ctctatTTTc	accaaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccttag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actTTTTtatt	tgccctacgcc	atcttacgct	caatcccaaa	caaactagga	gg	472

<210> 190

<211> 472

<212> DNA

<213> *Grus canadensis tabida*

<400> 190

taccatgagg	acaaatatca	ttctgagggg	ctacagtcac	taccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gggcttgagg	gggctttctca	gtagacaatc	120
ccacattaac	ccgattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggctcaaa	caacccccta	ggcattgtat	240
caaactgcca	taaaatccca	ttccaccctt	atTTTTcctt	aaaagatatc	ctaggggttca	300
tactcatact	acttccactc	ataaccctag	ctctatTTTc	accaaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccttag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actTTTTtatt	tgccctactcc	atcttacgct	caatcccaaa	caaactagga	gg	472

<210> 191

<211> 472

<212> DNA

<213> *Grus canadensis canadensis*

<400> 191

taccatgggg	acaaatatca	ttctgagggg	ctacagtcac	taccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gggcttgagg	gggctttctca	gtagacaatc	120
ccacattaac	ccgattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggctcaaa	caacccccta	ggcattgtat	240
caaactgcca	taaaatccca	ttccaccctt	atTTTTcctt	aaaagatatc	ctaggggttca	300

tactcatact	acttccactt	ataaccctag	ctctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actttttatt	tgcctacgcc	atcctacgct	caatcccaaa	caaactagga	gg	472

<210> 192

<211> 472

<212> DNA

<213> Grus americana

<400> 192

taccatgagg	acaaatatca	ttttgagggg	ctacagttat	caccaatctc	ttctcagccg	60
tcccatacat	cggccaaacc	atcgtagaat	gagcttgagg	gggcttctct	gtagacaacc	120
ccacattaac	ccgattcttc	actttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaattcca	cctcaccttc	ctccacgaat	cgggctcaaa	caaccccccta	ggcatcgtat	240
caaactgcga	taaaatccca	ttccaccctt	atttttcctt	aaaagacatc	ctaggattca	300
caatcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tgacacctcc	ccatattaag	ccggaatgat	420
actttttatt	tgcatacgcc	atcctacggt	caatcccaaa	caaactagga	gg	472

<210> 193

<211> 472

<212> DNA

<213> Grus grus

<400> 193

taccatgggg	acaaatgtca	ttttgagggg	ctacagttat	caccaatctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	gggcttctca	gtagacaacc	120
ccacattaac	ccgattcttc	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaattcca	cctcaccttc	cttcacgaat	cgggctcaaa	caaccccccta	ggcatcgtat	240
caaactgcga	taaaatccca	ttccaccctt	atttttcctt	aaaagatatc	ctagggttca	300
tactcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctctag	tcacacctcc	ccatattaag	ccggaatgat	420
actttttatt	tgcatacgcc	atcctccggt	caatcccaaa	caaactagga	gg	472

<210> 194

<211> 472

<212> DNA

<213> Grus monacha

<400> 194

taccatgagg	acaaatatca	ttttgagggg	ctacagttat	caccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	aggcttctca	gtagacaacc	120
ccacattaac	tcgattcttc	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaattcca	cctcaccttc	ctccacgaat	cgggctcaaa	caaccccccta	ggcatcgtat	240
caaactgcga	taaaattcca	ttccaccctt	atttttcctt	aaaagatatc	ctaggattca	300
tattcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aaccccctag	tcacacctcc	tcataattaaa	ccggaatgat	420
acttttctatt	tgcatacgcc	gtcctacggt	caatcccaaa	caaactagga	gg	472

<210> 195

<211> 472

<212> DNA

<213> *Grus nigricollis*

<400> 195

taccatgagg	acaaatatca	ttttgagggg	ctacagttat	caccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	aggcttctca	gtagacaacc	120
ccacattaac	tcgattcttc	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	ctccacgaat	cgggctcaaa	caaccccccta	ggcatcgtat	240
caaaactgcca	taaaattcca	ttccacccct	atTTTTcctt	aaaagatacc	ctaggattca	300
tattcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tcacacctcc	ccatattaag	ccggaatgat	420
actttctatt	tgcatacgct	atcctacggt	caatcccaaa	caaactagga	gg	472

<210> 196

<211> 472

<212> DNA

<213> *Grus japonensis*

<400> 196

taccatgggg	acaaatatcc	ttttgagggg	ctacagttat	caccaatctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	gggcttctca	gtagacaacc	120
ccacattaac	tcgattcttt	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	tctcactttc	ctccacgaat	cgggctcaaa	caaccccccta	ggcatcgtat	240
caaaactgtga	taaaatccca	ttccacccct	atTTTTcctt	aaaagataatc	ttaggattta	300
cactcatatt	acttccactc	ataaccctag	ccctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	ttacacctcc	ccatattaag	ccggaatgat	420
acttcttatt	tgcatacgct	attctgcggt	caatcccaaa	caaactagga	gg	472

<210> 197

<211> 472

<212> DNA

<213> *Ciconia boyciana*

<400> 197

tgccatgagg	acagatatca	ttctgagggg	ctacagtcac	caccaaccta	ttttcagcta	60
tcccctacat	cggccaaacc	ctcgtagaat	gggcctgagg	gggcttctcc	gtcgataacc	120
caacactaac	ccgattcttc	gccctacact	ttcttctccc	cttcgcaatc	gcaggcctca	180
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cactcctact	tctgccacta	accaccctgg	ccctattctc	acccaaccta	ctagggtgacc	360
cagagaactt	caccccagcc	aacccctag	tcacaccccc	tcacatcaag	ccagagtggg	420
acttcctctt	tgcatacgcc	atcctacgct	ccatcccaaa	caaactagga	gg	472

<210> 198

<211> 472

<212> DNA

<213> *Rhea americana*

<400> 198

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tcccgtacat	eggacaaacc	ttggtagaat	gagcttgagg	gggggttttca	gtagacaacc	120
ctaccctaac	cggattcttc	gccctgcact	tccttctccc	cttcctaata	gcaggcatta	180
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ctcactctga	caaaatccca	ttccacccct	acttctccct	aaaagatgcc	ctaggactag	300
ctctcatatt	tatcccgctc	ctaaccctag	ccttcttctc	acccaacctc	ctaggggacc	360
cagaaaactt	caccccagcc	aacccctag	ttacaccccc	tcacatcaag	ccagaatgat	420
atttcttatt	cgtttacgcc	atcttacgct	ccatccccaa	caaactagga	gg	472

<210> 199

<211> 472

<212> DNA

<213> Anthracoceros albirostris

<400> 199

taccatgagg	gcaaatatca	ttctgaggcg	ccaccgtcat	caccaaccta	ttctcagcca	60
tcccatacat	cggccaaacc	ttagtagaat	gggcctgagg	gggattctcc	gttgacaacc	120
caaccctgac	acgattcttc	gccctacact	ttctcctccc	gttcataatc	gcaggcctag	180
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ccaactgcga	caaaatccca	ttccacccat	actttgcctt	aaaggacatc	ctaggattca	300
cagtaatact	cctcctccta	acctccctag	ccctcttctc	ccccaaccta	ctaggagacc	360
cagaaaactt	cacaccagca	aacccctgg	taactccccc	ccatattaag	ccagaatggt	420
atttcttatt	cgcataatgcc	atcctacgct	caatccccaa	taaactagga	gg	472

<210> 200

<211> 472

<212> DNA

<213> Falco femoralis

<400> 200

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tcccatacat	cgggtcaaacc	ctagtcgagt	gggcctgagg	aggattttca	gtagacaatc	120
caacactgac	cggattcttc	gccctacact	tcctcctacc	attcctaata	gcagggtcca	180
ccttaattcca	cctcaccttc	ctacatgaat	cagggttcaaa	caacccctta	ggaatcacat	240
caaactgcga	taaaatccca	ttccatccct	attactctct	caaagacctc	ctaggattca	300
tactcatata	cctcccccta	ataaccttag	ccctattcac	tcccaaccta	ctaggagacc	360
cagaaaactt	tacaccagca	aatcccctag	tcaccccccc	acacatcaaa	ccagaatgat	420
acttcttatt	cgcctacgcc	atcctacgct	caatccccaa	caaactaggt	gg	472

<210> 201

<211> 472

<212> DNA

<213> Falco verpertinus

<400> 201

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tcccatacat	cggccaaacc	ctagtcgaat	gggcctgagg	aggattttca	gtagataacc	120
caacactaac	cggattcttc	gccctacact	ttctcctacc	attcctaata	gcagggtcca	180
cctaattcca	cctcaccttc	ctacacgaat	cagggttcaaa	caacccctta	ggaatcacat	240
caaactgcga	caaaatccca	ttccatccct	actactctct	aaaagacctt	ttaggagtca	300
tactcatata	cctcccccta	ataacccctag	ccctattttac	cccaaactta	ctaggagacc	360
cagaaaactt	cacaccagca	aacccctag	tcacaccccc	acacatcaaa	ccagaatgat	420
acttcttatt	tgcctacgcc	atcctacgct	caatccccaa	caaactgggt	gg	472

<210> 202

<211> 472

<212> DNA

<213> *Falco peregrinus*

<400> 202

taccctgagg	acaaatatca	ttctgaggag	ccacagtc	at	taccaaccta	ttctcagcaa	60
tcccatat	cggccaaacc	ctagtccaat	gagcttgagg	gggattttca	gtagacaacc		120
caacactgac	ccgattcttc	gccctacact	tcctacttcc	attcctaatac	gcaggactca		180
ccctaatacca	cctcaccttc	ctacatgaat	cagggtcaaa	taaccccccta	ggaatcacat		240
caaattgcga	caaaatccca	ttccacccat	actactctct	caaagatatc	ctaggattta		300
tactcatata	cctgccccta	ataaccctag	ccctattttac	cccaaacctg	ctaggagacc		360
cagaaaactt	tacaccagca	aatccccttag	tcaccccccc	acacatcaaa	ccagaatgat		420
acttcctatt	tgcttacgcc	atcctacgct	caatcccca	taaactgggc	gg		472

<210> 203

<211> 472

<212> DNA

<213> *Falco sparverius*

<400> 203

taccctgagg	acaaatgtca	ttctgaggag	ccacagtc	at	taccaaccta	ttctcagcaa	60
tcccatatat	cggccaaacc	ctagtccaat	gggcctgagg	aggatttctca	gtagacaacc		120
caacactaac	ccgcttcttc	gccctacact	tcctcctacc	attcctaatac	gcagggtcta		180
ccttaatacca	cctcaccttc	ctacatgaat	cagggttccaa	caaccccccta	ggagtcacat		240
caaactgtga	caaaatccca	ttccacccct	actactctct	caaagacctc	ctagggtttta		300
tgctcatact	cctgccccta	atagccctag	ccctattcac	cccaaacctg	ctaggagacc		360
cagaaaactt	cacaccagcg	aaccccttag	tcacccccacc	acacatcaaa	ccagaatgat		420
acttcctatt	tgccctacgct	attctacgct	caattcccaa	caaattaggc	gg		472

<210> 204

<211> 472

<212> DNA

<213> *Aythya americana*

<400> 204

taccatgagg	acaaatatca	ttctgagggg	ccaccgtgat	cactaacctg	ttctcagccc	60
tcccatat	cgggcaaacc	cttgtagaat	gggcctgagg	aggatttctcg	gtagacaacc	120
caaccctaac	tcgattcttc	gccatccact	tcctactacc	cttcctaatac	gcaggaatca	180
ccctagtcca	cctaactttc	ctgcacgagt	cagggtcaaa	caaccccccta	ggcattgtat	240
cagactgcga	caaaatccca	tttcacccct	acttctcctt	caaagacatc	ctaggattta	300
tcctcatgct	caccccccta	atagcactag	ccctattctc	accaaacctc	ctaggagacc	360
cagaaaactt	taccccagca	aacccactag	taacccccacc	ccacatcaaa	ccagaatgat	420
acttcctatt	cgcctacgcc	atcctgcgat	caatcccga	taaactagga	gg	472

<210> 205

<211> 472

<212> DNA

<213> *Smithornis sharpei*

<400> 205

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ttccatacat	cggacaaaacc	ctagtagaat	gagcttgagg	aggattttca	gtagacaacc	120
ccacccttac	cggattcttc	tcccttcact	tcctcctccc	atttatcatc	gcaagcctga	180
cactcatcca	tctcaccttc	ctccatgaaa	caggttcaaa	caaccctcta	ggtatctcat	240
ctaactccga	taaaatccca	ttccacccat	acttctccat	aaaagacatt	ctaggccttg	300
caatcatact	aacaccacta	ataaccctag	ccatattctc	tcctaacctc	ctaggagacc	360
cagaaaattt	cacacccgcc	aactccctcg	tcactccccc	tcatatcaaa	cccgaatgat	420
atTTTTtatt	tgcatacgct	attctgcat	caattccaaa	caaactagga	gg	472

<210> 206

<211> 472

<212> DNA

<213> *Vidua chalybeata*

<400> 206

tgccatgagg	acaaatatca	ttctgaggag	ccacagtaat	cacaaaccta	ttctcagcaa	60
ttccatacat	tggccaaaacc	ctagtagaat	gagcctgagg	aggattctca	gtagacaacc	120
caacactcac	cggattcttc	gccctacact	tccttctacc	cttcgtcatt	gcaggactca	180
ctctagtcca	cctcacattc	ctacacgaaa	caggatcaaa	caatccaata	ggaattccat	240
cagactgtga	caaaattcca	ttccacccat	actacaccac	aaaggacatc	ctaggcctcg	300
tactaatatt	cgcactccta	gcttccatag	ccctattctc	cccaaacata	ctaggagatc	360
cagaaaactt	cactccggcc	aacccctaa	tcacaccacc	acatatcaaa	cccgaatgat	420
acttcttatt	cgcctacgcc	atcctacgat	ccatcccaaa	caaactagga	gg	472

<210> 207

<211> 472

<212> DNA

<213> *Chrysemys picta*

<400> 207

taccatgggg	ccaaatatcc	ttctgagggtg	ccaccgttat	tactaacctc	ctctcagcca	60
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caaccctaac	cggatttttt	acccttcact	tccttctacc	atttacaatc	ataggtctaa	180
caatagtaca	cctacttttt	ctacatgaaa	ctggatcaaa	caaccacaac	ggattaaact	240
caaacactga	caaaatccca	ttccaccctt	atttctcata	taaagacctt	ttaggcgtca	300
ttctaatact	aaccctccta	ctaaccctaa	cactattctc	tccaaacctt	ttaggggacc	360
cagataactt	cacaccggcc	aacccctat	ctacccacc	acatattaaa	ccagaatgat	420
actttctttt	cgtttacgca	attctacgat	ccatcccaaa	caaattaggt	gg	472

<210> 208

<211> 472

<212> DNA

<213> *Emys orbicularis*

<400> 208

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tcccatacat	tggcaataca	ctagtgcatt	gaatctgagg	gggattctca	gtagataacg	120
caaccctaac	cggattcttc	actttccatt	tcttactgcc	atttaccatt	ataggcctaa	180

caatagtaca	cctactcttc	ctacacgaaa	cgggatcaaa	caatccaaca	ggattaaact	240
caaacaccga	taaaatccct	ttccatccct	acttctcata	caaagaccta	ttaggactca	300
tcctaatact	agccttcctg	ctaaccctaa	cactattctc	tcctaaccct	ctaggagacc	360
cagataactt	tacaccagct	aaccgcgtat	ccaccccacc	acatattaag	ccagagtgat	420
actttctttt	tgcctacgca	atcctacgat	caatcccaaa	caaattagga	gg	472

<210> 209

<211> 472

<212> DNA

<213> *Chelonia mydas*

<400> 209

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tcccatacat	cggcaacaca	ctagtacaat	gaatctgagg	agggttttca	gtagacaatg	120
caaccctaac	ccgattcttc	accttccact	tcctattacc	atttgccatt	accggcctta	180
cagcagtaca	tctattattc	ctgcacgaaa	caggatcaaa	caacccaaca	ggattaaatt	240
caaataccga	caaaatcccc	ttccacccct	acttctccta	caaagactta	ctaggactca	300
ttttaatact	aactttcctc	ctaaccctaa	cacttttctc	cccctactta	ctaggagacc	360
cagacaactt	cacaccagcc	aaccctctat	ccactcctcc	ccacatcaaa	ccagaatgat	420
acttctctatt	tgcctacgca	atcctacgat	caatcccaaa	caaactaggc	gg	472

<210> 210

<211> 472

<212> DNA

<213> *Eumeces egregius*

<400> 210

tcccatgggg	acagatatcc	ttctgaggcg	caaccgtaat	tacaaaccta	ttatcagcaa	60
ttccatacat	tggcaccaac	ctagtagaat	gaatttgagg	gggcttttcc	gtagacaacg	120
caaccctcac	ccgatttttc	acattccact	tccttctgcc	attcgctatt	ataggggcct	180
caataattca	cctactattt	cttcacgaaa	caggatcaaa	taacccaacc	ggactaaatt	240
ctagcacaga	taagggtgcca	ttccacccat	attacacata	caaagacctt	cttggtttca	300
tcattatact	gtctgttcta	ctagccctcg	cccttttctc	accaaacctt	ctaggcgacc	360
cagaaaattt	taccccagca	aaccccttgg	taacaccccc	acatattaag	ccagagtgat	420
acttcttatt	tgcctacgcc	atcctacgct	ctattccaaa	caaactaggc	gg	472

<210> 211

<211> 472

<212> DNA

<213> *Antelope cervicapra*

<400> 211

taccatgagg	acaaatatct	ttttgaggag	caacagtcac	caccaatctc	ctttcagcaa	60
tcccatacat	cggtaaaaac	ctagtagaat	gaatctgagg	agggtttctca	gtagataaag	120
caacccttac	ccgatttttc	gccttccact	ttatcctccc	atttatcatt	gcagccctta	180
ccatagtaca	cctactgttt	ctccacgaaa	caggatccaa	caaccccaca	ggaatctcat	240
cagacgcaga	caaaattcca	ttccacccct	actacactat	caaagatatc	ctaggagctc	300
tactattaat	tttaaccctc	atgcttctag	tcctattctc	accggacctg	cttgagagacc	360
cagacaacta	tacaccagca	aaccacttta	atacaccccc	acatatcaag	cccgaatgat	420
acttctctatt	tgcatacgca	atcctccgat	caattcctaa	caaactagga	gg	472

<210> 212



<211> 25  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Universal primer for amplifying a fragment of cytochrome b  
 gene of animal species in polymerase chain reaction  
 <400> 212  
 taccatgagg acaaatatca ttctg 25

<210> 213  
 <211> 26  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Universal primer for amplifying a fragment of cytochrome b  
 gene of animal species in polymerase chain reaction  
 <400> 213  
 cctcctagtt tgtagggat tgatcg 26

<210> 214  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Primer for amplifying a fragment of cytochrome b  
 gene of animal species in polymerase chain reaction  
 <400> 214  
 tagtagaatg aatctgagga gg 22

<210> 215  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Primer for amplifying a fragment of cytochrome b  
 gene of animal species in polymerase chain reaction  
 <400> 215

atgcaaataag gaagtatcat tc

22

<210> 216

<211> 472

<212> DNA

<213> Aepyceros melampus

<220>

<221> n

<222> 104; 107; 128; 368; 369; 431;

<223> unknown base

<400> 216

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tcccatacat	tggtacaaac	ctagtagaat	gaatctgagg	aggnttntca	gtagacaaag	120
caaccctnac	ccgatttttc	gcyttccact	tcacatctcc	attcatcatt	gcggcactag	180
ccatagtcca	cctactcttt	cttcacgaaa	caggatctaa	caaccctaca	ggaatcttat	240
cagattcaga	taaaattcca	ttccaccctt	actatactat	traagacatc	ctaggaatcc	300
tattaataat	tctagtccta	atactcctag	tactattcat	acccgaccta	ctaggagacc	360
cagacaanna	catccccgca	aaccctactca	acacccctcc	ccacatcaag	cccgaatggt	420
acttcctggt	ngcatatgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 217

<211> 472

<212> DNA

<213> Oreotragus oreotragus

<220>

<221> n

<222> 431

<223> unknown base

<400> 217

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ttccatatat	tggtacaaac	ctggtagaat	gaatctgagg	aggattctcg	gtggacaaag	120
caacccttac	ccgattcttt	gcctttcact	tcactcttcc	atttatcatc	gcagccctag	180
ccatagtaca	cctactcttt	ctccacgaaa	cagggtccaa	taaccccaca	ggaatctcat	240
cagacacaga	caaaatccca	tttcacacct	attacacaat	caaagatatc	ctaggcgccc	300
tattactaat	tctagcttta	ttactcttag	tattattcac	acctgaccta	cttgagacc	360
cagataacta	caccccgagca	aaccctactca	acactccccc	tcacattaaa	ccagaatggt	420
atttntctatt	ngcatatgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 218

<211> 472

<212> DNA

<213> Addax nasomaculatus

<400> 218

tgccatgagg	acaaatatca	ttctgaggag	caacagtc	catcaccaac	ctctcagcaa	60
tcccatatat	cggcacagac	ctggtcgaat	gaatctgagg	aggattctcc	gtagacaaag	120
caacccttac	cggatttttc	gccttccact	ttattctccc	ctttattatc	gctgcccttg	180
ccatagtcca	tctactcttt	ctccacgaaa	caggctccaa	caaccctaca	ggaatctcct	240
cagacacaga	caaaatcccc	ttccaccctt	actataccat	taaagacatc	ttaggcgccc	300
tactactaat	tctagtcctc	atactactag	tattattcac	acccgaccta	cttgagacc	360
cagacaatta	tacccagca	aatccactta	gcacgcccc	tcacatcaaa	cctgaatgat	420
atttcttatt	tgcatacgca	attctacgat	caatccccaa	caaactagga	gg	472

<210> 219

<211> 472

<212> DNA

<213> *Oryx damah*

<400> 219

taccatgagg	acaaatatca	ttttgagggg	caacagttat	cactaacctt	ctctcagcaa	60
tcccatatat	cggcacaaa	ctagtcgaat	gaatttgagg	gggattctcc	gtagacaaag	120
caaccctcac	cggatttttc	gccttccact	ttattctccc	ttttattatc	gctgcccttg	180
ccatagtcca	cctactcttt	ctccacgaaa	caggctccaa	caaccctaca	ggaatcacct	240
cagacacaga	caaaattccg	ttccaccctt	attataccat	taaagatata	ttaggcgccc	300
tactactaat	cctagccctt	atgttgctag	tattattcgc	acccgaccta	cttgagacc	360
cagataatta	tacaccagca	aatccactta	acacaccccc	tcacatcaaa	cccgaatgat	420
atttcttatt	tgcatacgcg	atcttacgat	caatccccaa	caaactagga	gg	472

<210> 220

<211> 472

<212> DNA

<213> *Hippotragus equinus*

<400> 220

taccatgagg	acaaatatca	ttctgaggag	caacagtc	catcacca	acctcctc	ctctcagcaa	60
tcccatatat	tggcacaaac	ctagtcgaat	gaatctgagg	gggattctcc	gtagacaaag		120
caaccctcac	cggattcttc	gccttccact	ttattcttcc	ctttatcatc	actgcccttg		180
ccatagtaca	cctactcttt	ctccatgaga	caggctccaa	caacccccaca	ggaatttgat		240
cagactccga	taaaaccccc	ttccaccctt	actacaccat	taaagacatt	ctaggcgccc		300
tactactaat	tctagccctc	atactactag	tactattcgc	acccgaccta	cttgagacc		360
cagacaacta	tgccccagca	aacccactca	acacggcccc	tcacattaaa	cccgaatgat		420
atTTTTtatt	cgcgtacgca	attctacgat	cgatccccaa	taagctggga	gg		472

<210> 221

<211> 472

<212> DNA

<213> *Alcelaphus buselaphus*

<400> 221

tgccatgagg	acaaatatca	ttctgagggg	caacagtc	catcacca	atctctc	ctctcagcaa	60
tcccatatat	tggcacagac	ctagtagaat	gaatctgagg	gggattctca	gtagacaaag		120
caacccttac	cggatttttt	gccttccact	tcattcttcc	attcatcatt	gcagcccttg		180
ccatagttca	cctcttattc	ctccacgaaa	caggatctaa	caacccccaca	ggaatctcat		240

cagacgcaga	taaaatccca	ttccaccctt	actatacaat	caaggacatt	ctaggcgccc	300
tattactaat	cctagccctc	atactactag	tactattcgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccgcg	aaccacttta	acacaccccc	tcacatcaag	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 222

<211> 472

<212> DNA

<213> *Sigmoceros lichtensteinii*

<400> 222

tgccatgagg	acaaatatca	ttctgagggg	caacagtcac	caccaatctc	ctctcagcaa	60
tcccatatat	tggcacagac	ctagtagaat	gaatctgagg	aggattatca	gtagacaaag	120
caacccttac	ccgatttttt	gccttccact	tcattctccc	attcatcatt	gcagcccttg	180
ccatagttca	cctcttattc	ctccacgaaa	caggatctaa	caacccccaca	ggaatctcgt	240
cagacgcaga	taaaatccca	ttccaccctt	actatacaat	caaggacatt	ctaggcgccc	300
tattactaat	tctagccctc	atactactag	tactattcgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccgcg	aaccacttta	acacaccccc	tcacatcaag	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 223

<211> 472

<212> DNA

<213> *Beatragus hunteri*

<400> 223

tgccatgagg	acaaatatca	ttctgaggag	caacagtcac	caccaacctc	ctctcagcaa	60
ttccatatat	tggtagacaa	ctagtcgaat	gaatctgagg	aggcttctca	gtagacaaag	120
caaccctcac	ccgatttttt	gccttccact	ttattctccc	atttatcatt	acagcccttg	180
ccatagtcca	cctcttattt	ctccacgaaa	caggatctaa	caacccccaca	ggaatctcgt	240
cagatgcaga	taaaattcca	ttccaccctt	actacaccat	caaagacatc	ctaggcgccc	300
tactactaat	tctagccctc	atattactag	tactatttgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccgcg	aaccacttta	atacaccccc	tcacatcaaa	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 224

<211> 472

<212> DNA

<213> *Damaliscus lunatus*

<400> 224

tgccatgagg	acaaatatca	ttctgaggag	caacagtcac	cactaacctc	ctctcagcaa	60
ttccatacat	cggcacaaat	ctagtcgaat	ggatctgagg	gggcttctca	gtagacaaag	120
ccaccctcac	ccgattcttt	gccttccact	tcattctccc	atttatcatt	gtagctcttg	180
ccatagtcca	cctcttattc	ctccatgaaa	caggatctaa	caacccccaca	ggaatctcat	240
cagatgcgga	caaaatcccc	tttcaccctt	actacactat	caaagacgcc	ctaggggccc	300
tactactaat	tctagccctc	atactactag	tactatttgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccttgca	aaccacttca	acacgcccc	tcacatcaag	cccgaatgat	420
atttcctatt	cgcatacgca	atcctacggt	cgatccccaa	cgagctagga	gg	472

<210> 225

<211> 472

<212> DNA

<213> *Connochaetes taurinus*

<400> 225

taccatgagg	acaaatatcc	ttttgaggag	caacagtcac	caccaacctc	ctctcagcaa	60
tcccatacat	tggcactaac	ctagtcgaat	gaatctgagg	gggattctca	gtagacaaag	120
caacccttac	ccgatttttc	gccttccact	tcattcctcc	atztatcatc	acagcccttg	180
ctatagtcca	tctcctattc	ctccacgaaa	caggatctaa	caatcccaca	ggaatttcac	240
ccgacaccga	taaaatccca	ttccccccct	attacaccat	caaagacatc	ctaggcgctc	300
tattactaat	tctagcccta	atactactag	tactattcgc	gcccgattta	cttggagacc	360
cagacaacta	cacccccgca	aatccactca	acacaccccc	tcacatcaag	cccgaatgat	420
acttcctatt	tgcatatgca	atcctacgat	caatccccaa	cggactagga	gg	472

<210> 226

<211> 472

<212> DNA

<213> *Bison bonasus*

<220>

<221> n

<222> 437

<223> unknown base

<400> 226

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caacccttac	ccgatttttc	gctttccact	ttatcctccc	atztatattc	atagcaattg	180
ccatagtcca	cctactattc	ctccacgaaa	caggttctaa	caatccaaca	ggaatttcct	240
cagacacaga	caaaattcca	ttccaccctt	actataccat	taaagacatc	ctaggagcct	300
tattactaat	tctaactcta	atactactag	tactattcgc	accggacctc	ctcggagacc	360
cagataacta	caccccagca	aatccactta	acacacctcc	ccacatcaaa	cccgaatgat	420
acttcctatt	tgcatangca	attttacggt	caatccccaa	caaactagga	gg	472

<210> 227

<211> 472

<212> DNA

<213> *Bos grunniens*

<400> 227

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ttccatacat	cggcacaaat	ttagtcgaat	ggatttgagg	tgggttctca	gtagacaaag	120
caaccctcac	ccgattcttc	gctttccact	ttatcctccc	atztatattt	acagcaattg	180
ccatagtcca	cctactattc	ctccacgaaa	caggctccaa	caatccaaca	ggaatctcct	240
cagacgcaga	caaaattcca	tttcacccct	actataccat	taaagacatc	ttaggagcct	300
tattactaat	tctagcccta	atacttcttg	tactattcac	acccgacctc	ctcggagacc	360
cagacaacta	caccccagca	aatccactca	acacacctcc	ccacatcaaa	cccgaatgat	420
acttcctatt	tgcatacgca	attttacgat	caatccccaa	taaactagga	gg	472

<210> 228

<211> 472

<212> DNA

<213> *Bos tragocamelus*

<400> 228

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tcccatacat	cggcacaaac	ctagttgaat	gaatctgagg	cgggttctca	gtagacaaag	120
caaccctaac	ccgattcttc	gctttccact	ttatcctccc	attcatcatt	gcagccctcg	180
caataatcca	tctactcttc	ctccatgaaa	caggggtctaa	caatccaaca	ggaatttcat	240
cagacgcaga	taaaatccca	tttcacccct	actacactat	taaagacatt	ctaggagccc	300
tactacttat	tctagcccta	ataatactag	tactattcgc	acccgacctc	ctcggagacc	360
cagacaacta	caccccagca	aaccacttta	gcacacctcc	ccatattaag	cccgaatggt	420
atttctgtgt	cgcatacgca	attctacgat	caatcccca	caaactagga	gg	472

<210> 229

<211> 472

<212> DNA

<213> *Bubalus bubalis*

<400> 229

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tcccatacat	tggtagaagt	ctggttgaat	gaatttgagg	gggattctca	gtagacaaag	120
caaccctcac	ccgattcttc	gcatttcact	tcatectccc	attcattatc	gcaggacttg	180
caatagtcca	cctattatct	ctccacgaaa	caggatccaa	caacccaaca	ggaatctcat	240
cagacacaga	caaaatccca	ttccacccct	attacaccat	taaagacatc	ctaggcgccc	300
tactattaat	cctagcccta	atactattag	tactattcgc	acccgacctc	ctcggggacc	360
cagacaacta	caccccagca	aaccacttca	acacacctcc	ccacatcaag	cctgaatggt	420
acttcttatt	cgcatacgca	atcttacgat	caatttcctaa	caaactagga	gg	472

<210> 230

<211> 472

<212> DNA

<213> *Bubalus mindorensis*

<400> 230

tgccatgagg	acaaatatca	ttctgaggag	caacagtcac	caccaacctt	ctctcagcaa	60
tcccatacat	tggcacaaac	ctagttgagt	gaatttgagg	gggattctca	gtagacaaag	120
caaccctcac	ccgattcttc	gcatttcact	tcatectccc	attcattatc	gcagcacttg	180
caatagtcca	cctattatct	ctccacgaaa	caggatccaa	caacccaaca	ggaatctcat	240
cagacacaga	caaaatccca	ttccacccct	actacaccat	taaagacatt	ctaggcgccc	300
tgctattaat	cctagcccta	atactattag	tactattcac	acccgacctc	ctcggggacc	360
cagacaacta	caccccagca	aaccacttca	acacacctcc	ccatatacaa	cctgaatggt	420
acttcttatt	cgcatacgca	atcttacgat	cagtttcctaa	caaactagga	gg	472

<210> 231

<211> 472

<212> DNA

<213> *Tragelaphus angasii*

<400> 231

tgccatgagg	acaaatatca	ttctgaggag	caacgggtcat	cacaaacctc	ctatcagcaa	60
tcccatatat	tggcaccaac	ctagttgaat	gaatctgagg	aggcttctcg	gtagacaagg	120
caaccctaac	ccgatttttc	gccttccact	tcctcctccc	gtttattatt	acagcgctgg	180
ttatggtcca	cctattattc	ctccatgaaa	caggatccaa	caacccaaca	ggaatctcat	240
cagacataga	caaaattcca	ttccaccctt	attacactat	caaggacatc	ctaggcgccc	300
tactattaat	cctagcccta	atagtactag	tactattcac	acctgacctc	ctcggagacc	360
ccgacaacta	caccccgagc	aacccctca	atacacctcc	ccatatcaaa	cctgaatgat	420
atttcctggt	cgcataatgca	atcctacgat	ctatcccca	caagctagga	gg	472

<210> 232

<211> 472

<212> DNA

<213> *Tragelaphus eurycerus*

<400> 232

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tcccttatat	tggcaccagc	ctagtcgaat	gaatctgagg	gggcttttca	gtagacaaag	120
caaccttaac	ccgattcttc	gccttccact	ttatccttcc	atttattatt	acagcactag	180
ccatggtaca	cctactattc	ctccacgaaa	caggatccaa	caacccaaca	ggratctcat	240
craacataga	caaaattcca	tttcaccctt	actacactat	taaggacatc	ctagggtgcc	300
tactgcta	cctaactcta	atactcctag	tactattcgc	acctgacctt	ctcggagacc	360
ccgacaacta	caccccgagc	aacccactca	acacaccacc	tcatatcaaa	cctgaatgat	420
acttcctatt	cgcataatgca	atcctacgat	caatccctaa	taaactagga	gg	472

<210> 233

<211> 472

<212> DNA

<213> *Nemorhaedus caudatus*

<400> 233

taccatgagg	acagatatca	ttctgagggg	caacagttat	taccaatctt	ctctcagcaa	60
tcccatatat	tggcacaaac	ctagtcgaat	gaatctgagg	gggattctca	gtagacaaag	120
ctactctcac	ccgattcttc	gccttccact	tcctcctccc	atttatcatt	acagctactg	180
ctatagtcca	cctacttttc	ctccatgaga	taggatccaa	caaccccaca	ggtatcccat	240
cagacataga	caaaatccca	tttcaccctt	attatacaat	caaagatatt	ctaggcgcta	300
tactactaat	cctcaccctt	attttactgg	tattattcac	acctgactta	cttggagatc	360
cagacaacta	taccccgagc	aacccactca	gcacaccccc	tcacattaaa	cctgaatgat	420
atttcctatt	tgcataatgca	atcctacgat	caatcccca	taaactaggc	gg	472

<210> 234

<211> 472

<212> DNA

<213> *Pseudois nayaur*

<400> 234

tgccatgagg	acaaatatca	ttttgagggg	caacagtcac	caccaacctt	ctctcagcaa	60
tcccttatat	tggcacaaat	ctagtcgaat	ggatctgagg	gggattctca	gtagacaagg	120
ccactctcac	ccgattcttc	gccttccact	tcctcctccc	atttattatt	atagccctcg	180
ccatagtcca	cctacttttc	ctccacgaaa	caggatctaa	caaccccaca	ggaatcccat	240
cagacacaga	caaaatccca	ttccaccctt	actacaccat	taaagatatt	ctaggcgctg	300

cactgcta	at	ctcgcctg	at	attactag	tattatttac	acccgaccta	ctcggagacc	360
cagacaacta	ca	ccccagca	aa	ccactca	acacaccccc	tcacattaaa	cccgagtgat	420
acttcctatt	tg	catacgca	at	cctacgat	caattcccaa	caagctagga	gg	472

<210> 235

<211> 472

<212> DNA

<213> *Ammotragus lervia*

<400> 235

tgccatgagg	acagatatca	ttctgagggg	caacagtc	cat	caccaacctt	ctctcagcaa	60
tcccatacat	tggcacagac	ctggtcgaat	gaatctgagg	gggatttctca	gtagacaaaag	120	
ctactctcac	ccgattcttc	gccttccact	tcatoctccc	atttgtaatc	gcagccctag	180	
ccatagtcca	cttacttttc	ctccatgaaa	cgggatccaa	caaccccaca	ggaatttcat	240	
cagacgcaga	caaaatccca	ttccaccctt	actacaccat	caaagatatt	ctaggcgcca	300	
tgctactaat	cctcaccctc	acactactag	tactatttac	acccgatcta	ctcggggacc	360	
cagacaacta	taccccagca	aatccactca	acacaccccc	tcatatataa	cctgaatgat	420	
acttcctatt	tgcatacgca	atcctacgat	caatccctaa	taaactggga	gg	472	

<210> 236

<211> 472

<212> DNA

<213> *Capra falconeri*

<400> 236

taccatgagg	acaaatatca	ttctgagggg	caacagtc	cat	caccaatctc	ctctcagcaa	60
tcccatacat	tggcacaaaac	ctagtcgaat	gaatctgagg	aggatttctca	gtagacaaaag	120	
ccaccctcac	ccgattcttc	gccttccact	ttatoctccc	attcatcatt	gcaggcctcg	180	
ccatagtcca	cctactcttc	ctccacgaaa	caggatccaa	caatcccaca	ggaatttccat	240	
cagacacaga	caaaatccca	ttccaccctt	actacaccat	taaagatatc	ctaggcgcca	300	
tactactaat	tctcgccctg	atgctactag	tactattcac	acctgaccta	ctcggagacc	360	
cagataacta	tatcccagca	aatccactca	atacaccccc	tcatatcaaa	cctgagtggg	420	
acttcctatt	tgcatacgca	atcctacgat	caatccccaa	caaactagga	gg	472	

<210> 237

<211> 472

<212> DNA

<213> *Capra ibex*

<400> 237

taccatgagg	acaaatatca	ttctgagggg	caacagtc	cat	cactaacctt	ctctcagcaa	60
tcccatacat	tggcacaaaac	ctagtcgaat	gaatctgagg	gggatttctca	gtagacaaaag	120	
ccactctcac	ccgattcttc	gccttccact	tcatoctccc	attcatcatt	acagccctcg	180	
ccatagtcca	cctgctcttc	ctccacgaaa	cgggatccaa	caaccccaca	ggaatttccat	240	
cagacacaga	caaaatccca	ttccaccctt	actacaccat	taaagatatc	ctaggcgcca	300	
tgctactaat	tcttgctcta	atattactag	tactattcac	acccgaccta	ctcggggacc	360	
cagacaacta	taccccagca	aaccactca	atacaccccc	tcacattaaa	cctgaatgat	420	
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaactaggg	gg	472	

<210> 238



<211> 472

<212> DNA

<213> *Hemitragus jemlahicus*

<400> 238

taccatgagg	acagatatca	ttctgagggg	caacagtc	cat	caccaacctt	ctctcagcaa	60
ttccatatat	cggcacaaac	ctagtcgaat	gaatctgagg	aggattctca	gtagacaaag		120
ctaccctaac	ccgattcttc	gctttccact	tcattctccc	attcatcatt	gcagccctcg		180
ccatagtcca	cctgctcttc	ctccacgaaa	caggggtccaa	caacccccaca	gggattccat		240
cagatacaga	caaaatccca	tttcaccctt	actacacat	taaagatatt	ttaggcgcca		300
tactactaat	tcttgtccta	atattactag	tactatztat	acccgaccta	cttggagacc		360
cagacaacta	taccccgagca	aatccactca	acacaccccc	tcacattaaa	cctgaatgat		420
atcttctatt	tgcatacgcg	atcctacgat	caattcccaa	caaactagga	gg		472

<210> 239

<211> 472

<212> DNA

<213> *Rupicapra pyrenaica*

<400> 239

taccatgagg	acagatatca	ttctgaggag	caacagttat	taccaatctc	ctctcagcaa	60
tcccatacat	tggcatagac	ttagtcgagt	gaatctgagg	gggtttctcg	gtagacaaag	120
ctaccctcac	ccgattcttt	gcctttccact	tcattcctccc	attcatcatt	gcagcccttag	180
ccatagtcca	cctactcttc	ctccatgaaa	caggatcaaaa	caacccccaca	ggaatcccat	240
cagatgcgga	traaatccca	tttcaccctt	actataccat	taaagacatt	ctaggcgcca	300
tactactaat	cctcaccctt	atactactgg	tactatztat	acctgaccta	ctcggagacc	360
cagataacta	taccccgagcg	aacccactca	acacaccccc	tcacatcaaa	cccgaatgat	420
atcttcttgtt	tgcatatgcg	atcctacgat	caattcccaa	caaacttgga	gg	472

<210> 240

<211> 472

<212> DNA

<213> *Rupicapra rupicapra*

<220>

<221> n

<222> 263; 338;

<223> unknown base

<400> 240

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tcccgtatat	tggcacagac	ttagtcgaat	gaatctgagg	aggctttctcg	gtagacaagg	120
ctaccctcac	ccgattcttt	gccttccact	tcattcctccc	atttatcatt	gcagcccttag	180
ccatagtcca	cctactcttc	ctccacgaaa	caggatctaa	caacccccaca	ggaatcccat	240
cagatgcgga	caaaatccca	tttnaccctt	attataccat	caaagacatt	ctgggcgcca	300
tactactaat	cctcaccctc	atactactag	tactattnac	acctgaccta	ctcggagacc	360
cagataatta	caccccgagcg	aacccactca	acacaccccc	tcacattaaa	cccgaatgat	420
atcttcttatt	tgcatatgca	attctacgat	caatccccaa	caaacttgga	gg	472

<210> 241

<211> 472

<212> DNA

<213> *Pantholops hodgsoni*

<400> 241

taccatgagg	acaaatatca	ttctgaggag	caacagtaat	taccaacctc	ctttcagcaa	60
tcccatacat	tggcacagac	ctagtctgaat	gaatctgagg	gggattctca	gtagacaaag	120
ctacccttac	ccgattcttt	gccttccatt	tcattctccc	attcatcatc	gcagccctcg	180
ccatagtcca	cctactcttc	ctccacgaaa	caggatccaa	caaccccaca	ggaattccat	240
cagatgcaga	caaaatccca	tttcacccct	actataccat	taaagacatc	ctaggcgcta	300
tactactaat	cctaactctc	atattactag	tactattttc	acccgaccta	ctcggagacc	360
cagacaatta	taccccagca	aacccctca	acacaccacc	ccacattaaa	cctgaatggt	420
actttctatt	tgcatacgca	atcctacgat	caatccccaa	caaactagga	gg	472

<210> 242

<211> 472

<212> DNA

<213> *Budorcas taxicolor taxicolor*

<400> 242

taccatgagg	acaaatatca	ttttgaggag	caacagtcac	taccaacctc	ctctcagcaa	60
tcccatacat	tggcacaaac	ctagttgagt	gaatctgagg	aggattctca	gtagacaaag	120
catccctcac	ccgattcttt	gcctttcact	tcctctctcc	atttatcatc	gcagacctcg	180
ccatagtcca	tttacttttc	ctccacgaaa	caggatccaa	caaccccaca	ggaattccgt	240
cagatgcaga	taaaattcca	tttcacccct	attacaccat	taaagatatc	ctaggagtca	300
tactactaat	cctcgtctct	atggttgctag	tactatttat	acttgacgta	cttggagacc	360
cagataatta	taccccagca	aatccactca	acacaccccc	tcacatcaaa	cctgaatgat	420
atttctctatt	tgcatacgca	atcttacgat	caatccccaa	caaactagga	gg	472

<210> 243

<211> 472

<212> DNA

<213> *Ovis ammon*

<400> 243

taccatgagg	acaaatatca	ttctgaggag	caacagttat	taccaacctc	ctttcagcaa	60
ttccatatat	tggcacaaac	ctagtctgaat	gaatctgagg	gggattctca	gtagacaaag	120
ccaccctgac	ccgattcttc	gcctttcact	ttattttccc	attcatcatc	gcagccctcg	180
ccatagtcca	cctactcttc	ctccacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
cggacacaga	taaaattccc	ttccacccct	actacaccat	taaagacatc	ctagggtgcca	300
tcctactaat	cctcaccctc	atactactag	tactattcac	gcctgaccta	ctcggagacc	360
cagacaacta	caccccagca	aacccactta	acactccccc	tcacatcaaa	cctgaatgat	420
acttctctatt	tgcatacgca	atcttacgat	caatccctaa	taaactagga	gg	472

<220>

<221> n

<222> 264 - 278

<223> unknown base

<210> 244

<211> 472

<212> DNA

<213> *Ovis vignei*

<400> 244

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ttccatatat	tggcacaaac	ctagtogaat	gaatctgagg	aggattctca	gtagacaaag	120
ctaccctcac	ccgatttttc	gcctttcact	ttattttccc	attcatcatc	gcagccctcg	180
ctatagttca	cctactcttc	ctccacgaaa	caggatccaa	taacccacac	ggaattccat	240
cggacacaga	caaaatcccc	ttcnnnnnnn	nnnnnnnnat	taaagacatt	ctgggtgcca	300
tcctactaat	cctcatcctc	atgctgctag	tactattcac	gcctgactta	cttggagacc	360
cagacaacta	caccccagca	aacccactta	acactccccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccctaa	taaactagga	gg	472

<210> 245

<211> 472

<212> DNA

<213> *Capcornis crispus*

<400> 245

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tcccatatat	tggcacaaac	ttagtagaat	gaatctgagg	aggattctcc	gtagacaaag	120
ccaccctcac	ccgattcttt	gccttccatt	tcattctccc	attcatcatc	acagccctcg	180
ccatagtgc	cctacttttc	ctccacgaaa	caggatccaa	caacccacac	ggaattctcat	240
cagacacaga	caaaatccca	ttccaccctc	actacacaa	caaagatata	ctaggcatcg	300
tgctactaat	cctcaccctc	atactactag	tactgttcac	acccgaccta	ctcggagacc	360
cagacaacta	cactccagca	aacccactca	acacaccccc	tcacatcaag	cccgaatgat	420
acttcctatt	tgcatacgca	atcctacgat	caatccccaa	caaactaggc	gg	472

<210> 246

<211> 472

<212> DNA

<213> *Ovibos moschatus*

<400> 246

taccatgagg	acaaatatca	ttctgaggag	ctacagtcac	cactaacctc	ctctcagcaa	60
tcccatatat	cggcacaaac	ctagtogaat	gaatctgagg	aggattctcc	gtagacaaag	120
ccaccctcac	ccgatttttt	gcttttcact	ttatctctcc	atttatcatc	gtagccctcg	180
ctatagtaca	tttgctcttc	ctccacgaaa	caggatccaa	caacccacac	ggaattccat	240
cagacacgga	caaaatccca	ttccaccctc	actatacaat	caaagacatt	ctaggcgcca	300
tactactaat	ccttaccctt	atactactag	tattattcac	acccgaccta	cttggagacc	360
cagacaacta	taccccagca	aacccactca	acacaccccc	tcacattaaa	ccagagtgat	420
acttcctatt	tgcatacgca	atcctacgat	caatttctaa	caaactaggc	gg	472

<210> 247

<211> 472

<212> DNA

<213> *Oreamnos americanus*

<400> 247

taccatgagg	acaaatatca	ttctgaggag	caacagttat	taccaacctc	ctttcagcaa	60
ttccatatat	tggcacaaaac	ctagtctgaat	gaatctgagg	gggatttctca	gtagacaaaag	120
ccaccctgac	ccgattcttc	gcctttcact	ttattttccc	attcatcatc	gcagccctcg	180
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cggacacaga	taaaattccc	ttccaccctt	actacaccat	taaagacatc	ctaggtgcca	300
tcctactaat	cctcaccctc	atactactag	tactattcac	gcctgacctt	ctcggagacc	360
cagacaacta	caccccagca	aacccactta	acactcccc	tcacatcaaa	cctgaatgat	420
acttcctatt	tgcatacgca	atcttacgat	caatccctaa	taaactagga	gg	472

<210> 248

<211> 472

<212> DNA

<213> *Cephalophus dorsalis*

<400> 248

tcccatgagg	gcaaatatca	ttctgaggag	ccacagtcac	taccaacctc	ctctcagcaa	60
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caactctcac	ccgattcttt	gctttccact	ttattctccc	ttttattatt	gcagccctcg	180
ccatagtcca	cctactcttc	ctccatgaaa	caggatccaa	caaccccaca	ggagtctcat	240
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cagataacta	caccccagca	aacccactca	acacacctcc	ccatattaaa	cccgaatgat	420
acttcctatt	tgcatacgca	atcctacgat	caattccaaa	caaactagga	gg	472

<210> 249

<211> 472

<212> DNA

<213> *Cephalophus maxwellii*

<400> 249

tcccatgagg	acaaatatca	ttctgaggag	ccacagtcac	taccaacctc	ctctcagcaa	60
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caaccctcac	tcgatttttc	gccttccact	ttattctccc	atttatcatc	gcagcccttg	180
ccatagtcca	cctactattc	ctccacgaaa	caggatctaa	taaccccaca	ggaatctcat	240
cagacgcaga	caaaatcccg	ttccaccctt	actacactat	caaagacatc	ctaggcgccc	300
tattacttat	tctagcccta	ataatcctag	tactattctc	acccgactta	ctcggagacc	360
cagataatta	tactccagca	aacccactta	acacacctcc	ccacatcaag	cccgaatgat	420
atttcctatt	cgcgtacgca	attctacgat	caattccaaa	taaattagga	gg	472

<210> 250

<211> 472

<212> DNA

<213> *Alces alces*

<400> 250

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ttccatatcat	tggctactaat	ctagttgaat	gaatttgagg	cggtttttca	gtagacaaaag	120
caactctaac	ccgatttttc	gccttccact	ttattctccc	atttatcatc	gcagcacttg	180

ccatagtcca	cttacttttc	ctccacgaaa	caggatccaa	caacccaaca	ggaattccat	240
cagacgcaga	caaaatccca	tttcaccctt	actacactat	caaagatatc	ttaggtgccc	300
tactcttaac	tcttttcccta	atactactag	tactcttttc	accagacctg	cttggagacc	360
cagacaacta	caccccagct	aatccactca	acacaccccc	tcataattaag	cctgaatggg	420
atttcttatt	tgcatacgca	attctacgat	caatccccaa	taaactaggg	gg	472

<210> 251

<211> 472

<212> DNA

<213> *Hydropotes inermis*

<400> 251

ttccatgagg	acaaatatca	ttctgaggag	caacgggcat	tactaatctc	ctgtcagcaa	60
ttccatacgt	cggatcaaat	ctagtogaat	gaatctgagg	tggcttttca	gtagataaag	120
ctaccctgac	ccgattcttc	gccttccact	tcattcttcc	atttatcatt	gcagctcttg	180
ccatagtgcga	cttacttttt	ctccacgaaa	caggatccaa	taacccaaca	ggaattccat	240
cagatgcaga	taaaattcca	tttcatccct	actacaccat	taaagatatt	ctaggtgtac	300
tccttctaata	tcttttcccta	atgttattag	tcctattttc	acctgacctg	cttggagacc	360
cagacaatta	tactccagca	aacccactca	atacaccccc	tcacattaaa	ccagaatgat	420
atttcttatt	tgcatacgca	attctacgat	ctatccctaa	caaattagga	gg	472

<210> 252

<211> 472

<212> DNA

<213> *Muntiacus muntjak*

<400> 252

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ttccatatat	tggcacaaac	ttagtcgaat	gaatctgagg	aggcttttca	gttgataaag	120
caaccctcac	ccgattcttt	gccttccact	ttatcctccc	atttattatt	gcagcacttg	180
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cagatgtaga	caaaattcct	ttccatccct	actataccat	taaagatatt	ttaggtgccc	300
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<211> 472

<212> DNA

<213> *Cervus elaphus kansuensis*

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<211> 472

<212> DNA

<213> Cervus elaphus xanthopygus

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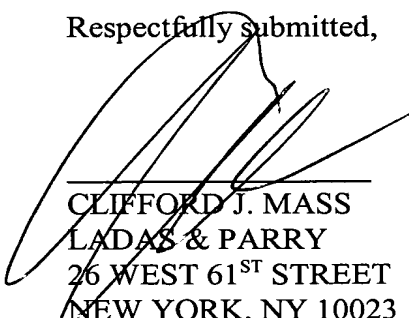
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## REMARKS

The above amendatory action is taken to correct the errors in the Sequence Listing noted in the Official Communication of January 2, 2002. In addition to a paper copy of the Sequence Listing, a computer readable copy of the Sequence Listing and the requisite statements are submitted herewith.

Respectfully submitted,



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